

**NASA
Technical
Memorandum**

NASA TM -103575

**Space Transportation System and Associated
Payloads: Glossary, Acronyms, and Abbreviations**

**Compiled by Management Operations Office
and Space Shuttle Projects Office**

January 1992



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</small>				
1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE January 1992	3. REPORT TYPE AND DATES COVERED Technical Memorandum	
4. TITLE AND SUBTITLE Space Transportation System and Associated Payloads: Glossary, Acronyms, and Abbreviations			5. FUNDING NUMBERS	
6. AUTHOR(S) Compiled by Management Operations Office and Space Shuttle Projects Office				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) George C. Marshall Space Flight Center Marshall Space Flight Center, Alabama 35812			8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) National Aeronautics and Space Administration Washington, DC 20546			10. SPONSORING / MONITORING AGENCY REPORT NUMBER NASA TM-103575	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY STATEMENT Unclassified — Unlimited			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) <p>This is a collection of some of the acronyms and abbreviations now in everyday use in the shuttle world. It is a combination of lists that have been prepared at Marshall Space Flight Center and Kennedy and Johnson Space Centers, places where intensive shuttle activities are being carried out. This list is intended as a guide or reference and should not be considered to have the status and sanction of a dictionary.</p>				
14. SUBJECT TERMS Glossary, Acronyms, Abbreviations, Shuttle, Space Transportation System			15. NUMBER OF PAGES 208	
			16. PRICE CODE NTIS	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited	

PREFACE

This is a collection of some of the acronyms and abbreviations now in everyday use in the shuttle world. It is a combination of lists that have been prepared at Marshall Space Flight Center and Kennedy and Johnson Space Centers, places where intensive shuttle activities are being carried out. In the nature of acronyms—which are compressed identifiers of systems or structures felt to be too long and cumbersome to be spelled out in the normal fashion—the list is neither comprehensive nor totally up to date. This guide should be used in conjunction with the *Government Printing Office Style Manual*, following the *GPO* rules of capitalization, punctuation, spelling, etc. This list is intended as a guide or reference and should not be considered to have the status and sanction of a dictionary.

The transience of technical acronyms is best demonstrated by contrasting this list with the special lingo and jargon employed during the days of Apollo. A limited number of terms are the same, but the working groups speak in a different dialect. Perhaps the best way to think of this collection is as a phrasebook to help observers make their way in comprehending parts of a brand-new world.

SECTION I

GLOSSARY

A

Accelerated Launch Date Option

Schedule option involving additional costs that permits a user who has already negotiated a launch date to specify an earlier launch.

Acceptance Tests

Tests to determine that a part, component, subsystem, or facility is capable of meeting performance requirements prescribed in purchase specifications, or other documents specifying what constitutes the adequate performance capability for the item.

Aft Flight Deck

That part of the orbiter cabin on the upper deck where payload controls can be located.

Airlock

A compartment, capable of being depressurized without depressurization of the orbiter cabin, used to transfer crewmembers and equipment. A similar compartment in the Spacelab module is used to expose experiments to space.

Announcement of Flight Opportunity

The process by which proposed investigations are solicited for a specific space flight.

Announcement of Flight Periods

The process by which proposed investigations are solicited for space flight within a designated time period, but without a specific flight number identification. The flight period may include plans for one or more flights.

Assembly

A number of parts, or subassemblies and/or any combination thereof, joined together to perform a specific function and capable of disassembly. The distinction between an assembly and a subassembly is determined by the individual application. An assembly in one instance may be a subassembly in another, where it forms a portion of an assembly.

Atlas-Centaur Class

Payloads weighing approximately 4,000 to 4,400 pounds (1,800 to 2,000 kilograms).

Attaching Part

An item used to attach subassemblies or parts to the equipment, or to each other.

Automated Payloads

Those payloads which are supported by an unmanned spacecraft capable of operating independently of the Space Transportation System (STS).

Auxiliary Stage

A small propulsion unit used with a payload, when required. One or more of these units may be used with a payload to provide the additional velocity required to place a payload in the desired orbit or trajectory. Also, a propulsion system that is used to provide midcourse trajectory corrections, braking maneuvers, and/or orbital adjustments.

Azimuth

True launch heading measured clockwise from 0° north.

B

Barbecue Mode

Orbiter in slow roll for thermal conditioning.

Beta Angle

Minimum angle between the Earth-Sun line and the plane of the orbit.

Bill of Work

A detailed work schedule which lists all operation and maintenance (O&M) tasks required to be performed at each work station for a specific vehicle turnaround. It also contains applicable information such as sequence of performance, O&M instruction number, work authorization number, time allocated, manpower, skill level, and the start and completion date.

C

Capture

The event of the remote manipulator system end effector making contact with and firmly attaching to a payload grapple fixture. A payload is captured at any time it is firmly attached to the remote manipulator system.

Cargo

The total complement of payloads (one or more) on any one flight. It includes everything contained in the orbiter cargo bay plus other equipment, hardware, and consumables located elsewhere in the orbiter that are user-unique and are not carried as part of the basic orbiter payload support.

Cargo Bay

The unpressurized mid part of the orbiter fuselage behind the cabin aft bulkhead where most payloads are carried. Its maximum usable payload envelope is 15 feet (4.6 meters) in diameter and 60-feet (18.3-meters) long. Hinged doors extend the full length of the bay.

Cargo Bay Liner

Protective soft material used to isolate sensitive payloads from the bay structure.

Cargo Integration Review

Part of Space Transportation System (STS) planning process that results in a cargo manifest, cost per flight, and billing schedule.

Cargo Integration Test Equipment

Setup that can provide testing of both payload-to-payload and cargo-to-orbiter interfaces.

Certificate of Compliance

Documentation prepared by the user confirming that a payload has successfully completed interface verification.

Certification

Formal documentation that the individual has reached the prescribed skill or knowledge level as cited in a NASA specification, contract specification, or other appropriate documents.

Commander

This crewmember has ultimate responsibility for the safety of embarked personnel and has authority throughout the flight to deviate from

the flight plan, procedures, and personnel assignments as necessary to preserve crew safety or vehicle integrity. The commander is also responsible for the overall execution of the flight plan in compliance with NASA policy, mission rules, and Mission Control Center (MCC) directives.

Commercial Part or Item

A part or item which is manufactured primarily for the commercial rather than the government market and having both commercial and government applications. Commercial parts also include parts which are manufactured in accordance with normal commercial quality controlled production runs which meet or exceed the requirements of government specifications or standards.

Common Payload Support Equipment

Spacelab-provided mission-dependent equipment that consists of a top airlock and a viewport/window assembly.

Component

An assembly or any combination of parts, sub-assemblies and assemblies, and assemblies mounted together and normally capable of independent operation in a variety of situations.

Concurrent Delivery

The delivery of support items concurrently with the end item being provisioned.

Condition Monitored

Those items that have neither limited life nor on-condition maintenance as their primary maintenance process. Condition monitoring is accomplished mainly by in-place instrumentation, sampling, and subsequent trending analysis which provides data to predict an incipient failure.

Construction Award

The effective date of direction from the NASA contracting office to the selected contractor authorizing commencement of work. Issue of the Notice of Award by the NASA procurement office completes this milestone.

Construction Complete

Appropriate facility construction is complete and the facility is available for equipment installation. Certification by the site activation office completes this milestone.

Contract Award

The effective date of direction from the NASA contracting office to the selected contractor authorizing commencement of work. Issue of Notice of Award by the NASA procurement office completes this milestone.

Contractor

The supplier of the end item and associated support items to the Government under the terms of a specific contract.

Core Segment

Section of the pressurized Spacelab module that houses subsystem equipment and experiments.

Crew Activity Planning

The analysis and development of activities to be performed in flight by the crew, resulting in a time line of these activities and reference data for each flight.

Customer (or User)

An organization or individual requiring the services of the Space Transportation System (STS).

D**Deadband**

That attitude and rate control region in which no orbiter reaction control subsystem or vernier correction forces are being generated.

Dedicated Spacelab

An extension module devoted to a single discipline which may fly more than once a year for several years, and which may be assigned to a payload development center.

Deep Space Network

Communications network managed by the Jet Propulsion Laboratory for command and control of all planetary flights.

Delta Class

Payloads weighing approximately 2,000 to 2,500 pounds (900 to 1,100 kilograms).

Deployment

The process of removing a payload from a stowed or berthed position in the cargo bay and releasing that payload to position free of the orbiter.

Design Change

A NASA approved engineering change incorporated into the end item which modifies, adds to, deletes, or supersedes parts in the end item.

Design Reviews*Critical Design Review*

A meeting chaired by the appropriate project manager, or his designated representative, to assure that the completed designs are in consonance with level II and project specifications.

Preliminary Design Review

A meeting chaired by the appropriate project manager, or his designated representative, at which preliminary designs are reviewed with prime contractors to assure compliance with system and project requirements.

30-Percent Design Review

A meeting chaired by the responsible project engineer, or his designated representative, at which preliminary designs are reviewed to assure satisfaction of system and project requirements.

90-Percent Design Review

A meeting chaired by the responsible project engineer, or his designated representative, at which final designs are reviewed to assure compliance with system and project specifications.

Downweight

Landing weight. It refers specifically to payloads and all items required by specific payloads.

Drawings

Graphic data, including drawings as defined in MIL-STD-100A and prepared in accordance with MIL-D-1000, Category D, aperture cards in accordance with MIL-D-9877; graphs, or diagrams, industry standards and industry specifications, on which details are represented with sufficient information to define completely, directly or by reference, the end result in the selection, procurement, and manufacture of the item required.

E

End Article/End Item

A physical element of the Space Transportation System (STS). It is a functional physical entity related and selected for the purpose of system development, procurement, and logistics.

End Item

A final combination of end products, components, parts, or materials which is ready for its intended use; e.g., orbiter, receiver, amplifier, recorder, ground support equipment, etc.

Estimated on Dock (Date)

The date the equipment is forecast to arrive on dock at the Center. Initially, this date should coincide with the desired contract delivery date for purchased equipment. Subsequent to the contract award, the date will reflect the vendor's estimate of his ability to deliver.

European Space Agency (ESA)

An international organization acting on behalf of its member states (Belgium, Denmark, France, Federal Republic of Germany, Italy, the Netherlands, Spain, Sweden, Switzerland, and the United Kingdom). The ESA directs a European industrial team responsible for the development and manufacture of Spacelab.

Experiment

The system of hardware, software, and procedures for performance of a scientific or applications investigation undertaken to:

1. Discover unknown phenomena
2. Establish the basis of known laws
3. Evaluate applications processes and/or equipment.

Experiment Racks

Removable and reusable assemblies in the Spacelab module that provide structural mounting and connections to supporting subsystems (power, thermal control, data management, etc.) and experiment equipment.

Experiment Segment

Section of the pressurized Spacelab module that houses experiments and sensors.

Experimenter

A user of the Space Transportation System (STS) who ordinarily will be an individual whose experiment is a small part of the total payload.

External Tank (ET)

Element of the space shuttle system that contains liquid propellant for the orbiter main engines. It is jettisoned prior to orbit insertion.

Extravehicular Activity

Activities by crewmembers conducted outside the spacecraft pressure hull or within the cargo bay when the cargo bay doors are open.

Extravehicular Mobility Unit

A self-contained (no umbilicals) life support system and anthropomorphic pressure garment for use by crewmembers during extravehicular activity. It provides thermal and micrometeoroid protection.

F

Facility Need Date

That date when the appropriate facility is required to receive program hardware (orbiter, solid rocket booster (SRB), external tank (ET)) for test and checkout. First operational use of the facility completes this milestone.

Failure Mode, Effects, and Criticality Analysis

An analysis to determine an line replaceable unit (LRU)/shop replaceable unit (SRU) method and frequency of failure and the resulting effects.

Federal Item Identification

A complete description in accordance with FED-STD-5.

Federal Supply Code for Manufacturers

Provides a nonsignificant code assigned to identify manufacturers. Normally used with the Manufacturer's Part Number (see Federal Cataloging Handbooks H4-1 and H4-2 for codes).

Fir-Tree

Blade Part.

First Manned Orbital Flight

Liftoff of the first manned space shuttle from the launch pad. Vehicle flight beyond "tower clear" completes this milestone. Subsequent flights use similar definitions.

Flight

That portion of a mission encompassing the period from launch to landing, or launch to termination, of the active life of a spacecraft. The term shuttle "flight" means a single shuttle round trip (its launch, orbital activity, and return). One flight may deliver more than one payload. More than one flight may be required to accomplish one mission.

Flight Control Team

An element of the Mission Control Center (MCC) on duty to provide real-time support for the duration of each Space Transportation System (STS) flight.

Flight Data File

The on-board complement of crew activity plans, procedures, reference material, and test data available to the crew for flight execution. There will normally be an STS flight data file for STS crew activities and also a payload flight data file for payload crew activities.

Flight-Dependent Training

Preparation of a mission or payload specialist(s) for a specific flight, depending on the mission goals. Part of the training involves integrated simulations with the rest of the flight crew and ground teams.

Flight Design

The trajectory, consumables, attitude and pointing, and navigation analysis necessary to support the planning of a flight.

Flight-Independent Training

Standard preparation of a mission or payload specialist for any flight.

Flight Kit

Optional hardware (including consumables) to provide additional, special, or extended services to payloads. Kits are packaged in such a way that they can be installed and removed easily.

Flight Manifest

The designation of a flight, assignment of the cargo to be flown, and specific implementing instructions for STS operations personnel.

Flight Operations Planning

That part of the STS flight planning required to prepare for a given flight. It includes allocation of consumables, analyses and preparation of flight rules, assembly of consoles, handbooks, etc.

Flight Phases

Prelaunch, launch, in orbit, deorbit, entry, landing, and postlanding.

Flight Readiness Firing (FRF)

The shuttle vehicle is stacked on the launch pad, and a countdown demonstration test (CDDT) performed (designed to duplicate to the fullest possible extent an actual launch countdown). Propellant loading occurs in normal launch sequence, culminating a 20-second FRF. Engine shutdown after 20 seconds of sustained firing completes this milestone.

Flight Types

Payload deployment and retrieval, on-orbit servicing of satellites, and on-orbit operations with an attached payload, as suited to the purposes of a mission. A single flight may include more than one of these purposes.

Free Flyer

Any payload that is detached from the orbiter during the operational phase of that payload and is capable of independent operation.

Free-Flying System

Any satellite or payload that is detached from the orbiter during operational phases and is capable of independent operation.

G

General-Purpose Computer

One of five computers interconnected to form the orbiter computer complex for data processing.

Greenrun

Hot-fire acceptance test of a rocket engine component (i.e., turbopump).

Ground Support Equipment (GSE)

Nonflight equipment, implements, and devices required for the handling, servicing, inspection, testing, maintenance, alignment, adjustment, checking, repairing, and overhauling of an operational end item, a subsystem, or component thereof. This may include equipment required to support another item of GSE as defined herein.

H

Hardware Development Complete

The date all hardware manufacture/procurement has been completed, and hardware is ready to be delivered under terms of the contract. Notification from the contractor to the responsible office completes this milestone.

I

Igloo

A pressurized container for Spacelab pallet subsystems when no module is used.

Inclination

The maximum angle between the plane of the orbit and the equatorial plane.

Indenture

A method of showing relationships to indicate dependence and an order of dependence. Indenturing provides a top down breakdown of an item into its assemblies, subassemblies, components, and parts.

Inertial Upper Stage (IUS)

Solid propulsive upper stage designed to place spacecraft on high Earth orbits or on escape trajectories for planetary missions.

Initial Delivery

The date of delivery for the first item of equipment to be delivered under terms of the contract. Acceptance of the equipment by the site activation office completes this milestone.

Initial Operational Capability

Point in time at which the first operational configured space shuttle vehicle is prepared for flight. Successful completion of design, development, test, and evaluation (DDT&E) and certification of flight hardware completes this milestone.

Initial Outfitting/Lay-In

The positioning of support items at user levels and at intermediate supply and maintenance levels as initial issues in anticipated support of newly deployed end items.

Installation Complete

That date when the site activation office declares the complete system has been installed at the facility. Certification by the site activation office completes this milestone.

In-Storage Maintenance

The actions performed on a stored item to retain it in a specified condition by providing systematic inspection, detection, and prevention from deterioration.

Instrument Pointing Subsystem (IPS)

Spacelab hardware and software for precision pointing and stability for experiment equipment.

Integrated Logistics

Those interrelated processes which identify and provide the service and resources (hardware and data) required to achieve an economical and timely support of operations. The principal processes are: logistics engineering analyses, maintainability, maintenance, operational maintenance documentation, supply, transportation/packaging, training, and logistics management information.

Integration

A combination of activities and processes to assemble payload and Space Transportation System (STS) components, subsystems, and system elements into a desired configuration, and to verify compatibility among them.

Integration Levels

Level I

Cargo/shuttle integration; integration into the orbiter of everything that goes on a single shuttle flight.

Level II

Elements into cargo integration; assembly of spacecraft elements and/or free flyers (with or without tug) into a cargo for a single shuttle flight.

Level III

Instrument to supporting system integration; integration of one or more instrument assemblies with Spacelab elements (extension module and/or pallet) or a free-flyer payload.

Level IV

Instrument assembly integration; assembly of individual instruments and their unique supporting subsystem into a compatible package of equipment to accomplish specific mission objectives on a given flight.

Interface

The mechanical, electrical, and operational common boundary between two elements of a system.

Interface Verification

Testing of flight hardware interfaces by an acceptable method that confirms that those interfaces are compatible with the affected elements of the Space Transportation System (STS).

Interim Release

Authorization given a contractor to release support items to production or procurement simultaneously with his production requirements for like items prior to submission of a spare parts order.

Invitation for Bids

That point in time when the complete assembly of documents related to a particular contract award will be provided to the prospective bidders by a formal advertisement for the purpose of competitive bidding. Issue of the invitation by the NASA procurement office completes this milestone.

Item

Any level of hardware assembly (system, subsystem, equipment, component, or part).

K

K-Factors

A series of terms used to derate meantime between failure (MTBF) to a meantime between demand (MTBD) on the supply system. Four examples are:

- K₁ Engineering correction based on line replaceable unit (LRU) complexity, greater than 1
- K₂ Total failure ratio to relevant failure, greater than 1
- K₃ Ratio of operating hours to flying hours
- K₄ Ratio of demands on supply systems to failures

$$MTBD = \frac{MTBF}{K_1 \times K_2 \times K_3 \times K_4}$$

L

Launch Agreement

An agreement negotiated between NASA and the user that presents in detail all the legal, financial, and NASA-Headquarters-level commitment to provide the Space Transportation System (STS) service at a determined price.

Launch Pad

The area at which the stacked space shuttle undergoes final prelaunch checkout and countdown and from which it is launched.

Launch Processing System

A high-speed digital computer-operated checkout system used to support test, checkout, launch control, and operational management of launch site ground operations.

Launch Processing System (LPS) Support Available

Point in time when LPS is ready for use by test personnel, for a given facility. Certification by the site activation office completes this milestone.

Launch-Readiness Verification

The process of ensuring the continuing operational capability of the space shuttle system, upper stages, and Spacelab.

Launch Site Support Manager

Individual at the launch site center who is the single point of contact with users in arranging payload processing at the launch site.

Launch Site Support Plan

The basic agreement negotiated between NASA and the user detailing how the user's payload will be handled at the launch site.

Level of Repair Analysis

A process for recommending repair levels of line replaceable units (LRU's), shop replaceable units (SRU's), assemblies, and sub-assemblies which will accrue minimum total support costs within operational and technical constraints over the system design life. It forms the basis for assigning repair level; repair versus discard-at-failure decision; repair parts provisioning; and source, maintenance, and recoverability (SMR) coding, maintenance planning, and documentation.

Line Replaceable Unit (LRU)

Any item whose replacement constitutes the optimum organizational maintenance repair action for a higher indentured item (i.e., any assembly which can be removed and replaced as a unit from the system at the operating location).

Load Factor

The percentage of the orbiter's total capability (for payload length or weight) required by a shared-flight user. The larger figure is used to derive the charge factor, which is used to calculate the user's cost.

Logistics Engineering Analyses

A composite of analysis techniques which are used to identify the necessary logistics resources to support operation and maintenance functions in a timely and economical manner. This includes training, level of repair, spares determination analyses, etc.

Long Duration Exposure Facility

Free-flying reusable satellite designed primarily for small passive or self-contained active experiments that require prolonged exposure to space. It is launched in the orbiter cargo bay and deployed and retrieved by the remote manipulator system.

Long Leadtime Items

Those items which because of their complexity of design, complicated manufacturing processes, or limited production, may cause production or procurement cycles which would preclude timely or adequate delivery, if not ordered in advance of normal provisioning.

M

Maintainability (M)

The design, installation, and operating characteristics of an item which enables it to be retained in or returned to a specified operational condition by expending resources at an acceptable rate using prescribed procedures.

Maintenance

The actions taken to retain an item in a specified condition by providing systematic inspection, detection, and servicing for the prevention of incipient failure, and the action taken to restore an item to a specified operational condition. This includes fault isolation, item replacement, repair, and verify serviceable.

Maintenance Concept

A description of the planned method for accomplishing maintenance. A thought process which relates the maintenance tasks to be performed to the maintenance levels to support the operation of the system/equipment in the planned operational environment.

Maintenance Engineering Analysis

An analysis of contract end item line replaceable unit (LRU)/shop replaceable unit (SRU) or equivalent items which define the repair tasks necessary to restore a system to operational condition utilizing the maintenance philosophy, maintainability characteristics, and other factors.

Maintenance Ground Equipment (MGE)

The equipment which is used to support the maintenance operations for vehicle, payload, stages, facilities, or other MGE.

Maintenance Levels

All maintenance functions performed either directly on the vehicle or in a supporting role categorized in one of the following three categories:

Organizational Level

Maintenance performed on vehicle subsystems and related support equipment in direct support of the turnaround flow. It includes scheduled and unscheduled maintenance actions required to inspect, service, calibrate, replace, repair and modify in place, and reverify (sub)systems and associated components.

Intermediate Level

Maintenance that is performed in direct support of organizational level maintenance and involves disposition, repair, service, modification, calibration, and verification of items removed during organizational maintenance.

Depot Level

Maintenance that is performed by designated maintenance sources (e.g., manufacturers, USAF Air Logistics Centers, NASA Centers, etc.). It normally consists of maintenance that requires maintenance ground equipment (MGE), facilities, or skills which are not economically available at the intermediate level (e.g., repairing, modifying, overhauling, reclaiming, or rebuilding parts, assemblies, subassemblies, components and end items, manufacturing of unavailable parts, and providing technical assistance to the organizational and intermediate levels).

Maintenance Training

Detailed work-oriented instructions on servicing, maintenance, overhaul, and repair of product end items, including support and facilities equipment.

Management Coding

The assignment of codes consisting of letters and/or numerals to support items to record management decisions, such as sources for resupply, prescribed levels of maintenance, item managers, and other management data.

Manned Maneuvering Unit

A propulsive backpack device for extravehicular activity. It uses a low-thrust, dry, cold nitrogen propellant.

Material Service Centers (MSC)

An activity established adjacent to a facility of work area concentration for the purpose of furnishing supply support and supply support services to all organizations and functional activities in the immediate area(s) which require such service. Each MSC will provide a single point of contact with the Kennedy Space Center (KSC) supply system, and will receive, stock, and issue material and supplies required by the area(s) served.

Mission

The performance of a coherent set of investigations or operations in space to achieve program goals. A single mission might require more than one flight, or more than one mission might be accomplished on a single flight.

Mission Control Center (MCC)

Central area at Johnson Space Center (JSC) for control and support of all phases of Space Transportation System (STS) flights.

Mission-Dependent Equipment

Spacelab optional equipment that can be added to a flight if needed for the mission involved.

Mission-Independent Equipment

Spacelab subsystem and support equipment that is carried on every Spacelab flight.

Mission Kit

Flight kit is the preferred term.

Mission Specialist

This crewmember is responsible for coordination of overall payload/Space Transportation System (STS) interaction and, during the payload operations phase, directs the allocation of the STS and crew resources to the accomplishment of the combined payload objectives. The mission specialist will have prime responsibility for experiments to which no payload specialist is assigned, and/or will assist the payload specialist when appropriate.

Mission Station

Location on the orbiter aft flight deck from which payload support operations are performed, usually by the mission specialist.

Mixed Payloads

Cargo containing more than one type of payload.

Mobile Launch Platform

The structure on which the elements of the space shuttle are stacked in the Vehicle Assembly Building and are moved to the launch pad.

Mobility Aid

Handrails or footrails to help crewmembers move about the spacecraft.

Modification Complete

That date when existing facilities were modified. Certification by the site activation office completes this milestone.

Module

Pressurized manned laboratory suitable for conducting science, applications, and technology activities.

Module Exchange Mechanism

Part of the multimission modular spacecraft flight support system that is used for servicing.

Multimission Modular Spacecraft

Free-flying system built in sections so that it can be adapted to many missions requiring Earth-orbiting remote-sensing spacecraft. It is launched in the orbiter cargo bay and deployed and retrieved by the remote manipulator system.

Multiple Payloads

More than one separate payload carried in the cargo bay.

Multipurpose Spacelab

An extension module involving a variety of disciplines usually for specific flights, and which may require the services of a payload integrator or agent.

Multipurpose Support Group

Element of the Mission Control Center (MCC) responsible for preflight planning, procedures development, systems expertise, and manpower. During a flight, this group reports systems and trajectory status to the flight control room.

Multiuse Mission Support Equipment

Hardware available at the launch site for handling payloads, or common flight hardware used by various payload disciplines.

N**Nadir**

That point on the celestial sphere vertically below the observer, or 180° from the zenith.

National Stock Number

A discrete identifying number assigned to each item of supply within the Federal Catalog System. A data chain consisting of the four-digit Federal Supply Classification, a two-digit Country Code and a seven-digit Federal Item Identification Number, in that order. May also have a two-character Dual Cognizance Code, a one-character Material Control Code prefix, and a two-character Special Material Identification Code suffix.

O**Off-Line**

An activity conducted by a payload owner independent of any Space Transportation System (STS) element (e.g., tug, Spacelab, or shuttle). Normally, the activity is conducted in a separate facility.

Off-Line Integration

Assembly of payload elements or multiple payloads that does not involve any STS element.

Off-Line Maintenance

That maintenance function performed at the intermediate and depot maintenance levels.

On-Condition Maintenance

Those items which will remain in place until an assessment of the item's condition indicates that removal is required. The assessments are made at intervals determined by the item's failure characteristics and may consist of inspections, measurements, tests, or any other means not requiring disassembly or removal of the item.

On-Line Integration

Mating of payloads with the orbiter, Spacelab, or upper stage. Level I is with the orbiter. Level II is with the Spacelab, upper stage, etc.

On-Line Maintenance

The maintenance function performed at the organizational level.

On-Line Space Transportation System

An activity conducted with a payload and one or more Space Transportation System (STS) elements. This is broken down as follows:

On-Line Shuttle

An activity encompassing a payload, its carrier, and the shuttle vehicle.

On-Line Spacelab

An activity encompassing a payload and its Spacelab.

On-Line Tug/IUS

An activity involving a payload and the tug/inertial upper stage (IUS).

On-The-Job Training

A planned program which augments classroom training through self-study and supervised instruction to provide expanded knowledge and job proficiency while the trainee is actually working in a duty assignment.

Operational Checkout

That period of time when the operation and maintenance (O&M) organization performs crew training, simulations, and procedural familiarization prior to first use on flight hardware. Certification of ground test and checkout, and crew readiness to support the assigned mission prior to receipt of flight hardware completes this period.

Operational Readiness Date

That date when a facility, including all systems and equipment, is operationally ready and is turned over to the user/operator for operational training and systems familiarization prior to first use in support of flight hardware checkout. Certification by the site activation office completes this milestone.

Operations and Maintenance Documentation (OMD)

OMD includes: engineering drawings and lists, Organizational Operations and Maintenance (OOM) Manuals including Operations and Maintenance Instructions (OMI's), Standard Repair Manuals, Illustrated Parts Breakdown (IPB's), Intermediate Maintenance Manuals, Nondestructive Inspection (NDI) Manuals, Work Unit Code (WUC) Manuals, and Time Compliance Technical Instructions (TCTI's).

Operations and Maintenance (O&M) Manuals

O&M manuals are organized procedural information specifying methods of operating and maintaining flight hardware and support equipment. O&M manuals will be used in the performance of day-to-day operations and maintenance tasks.

Operations Planning

Performing those tasks that must be done to ensure that vehicle systems and ground-based flight control operations support flight objectives.

Operator Need Date

The date the operator (O&M organization) requires the equipment/ground support equipment (GSE) to be made available to them, to accomplish any remaining work required prior to first use.

Opportunity Mission

A payload revisit option for retrieval or servicing done at NASA's convenience when an orbiter is near the orbiting payload requiring revisit.

Optimum Repair Level

The maintenance level selected to perform specific tasks and functions for a given equipment item. The decision to repair equipment at the indicated maintenance level requires that all authorized maintenance capability (remove, replace, assembly, or test) be provided to that level. This does not prevent some repairs from being accomplished at a different level of maintenance for a different task.

Optional Flight Systems

Hardware end items that can be integrated into the orbiter at additional cost to the user, to launch payloads to geosynchronous transfer orbits (upper stages), to extend basic orbiter capabilities (flight kits), or to provide a general purpose laboratory in near-Earth orbit (Spacelab).

Orbital Flight Test

One of the first six scheduled developmental space flights of the space shuttle system.

Orbital Maneuvering Subsystem

Orbiter engines that provide the thrust to perform orbit insertion, circularization, or transfer; rendezvous; and deorbit.

Orbiter

Manned orbital flight vehicle of the space shuttle system.

Orbiter Processing Facility

Building near the Vehicle Assembly Building at Kennedy Space Center (KSC) with two bays in which the orbiter undergoes postflight inspection, maintenance, and premate checkout prior to payload installation. Payloads are also installed horizontally into the orbiter in this building.

Outfitting Award

The effective date of direction from NASA contracting officer to the selected contractor authorizing commencement of work. Issue of notice of the award by the procurement office completes this milestone.

Outfitting Complete

That date when all systems/equipment has been emplaced. Certification by site activation office completes this milestone.

One piece, or two or more pieces, joined together which are not normally subject to disassembly without destruction or impairment of its designed use.

P**Pallet**

An unpressurized platform, designed for installation in the orbiter cargo bay, for mounting instruments and equipment requiring direct space exposure.

Pallet Train

More than one pallet rigidly connected to form a single unit.

Payload

The total complement of specific instruments, space equipment, support hardware, and consumables carried in the orbiter (but not included as part of the basic orbiter payload support) to accomplish a discrete activity in space.

Payload Canister

Environmentally controlled transporter for use at the launch site. It is the same size and configuration as the orbiter cargo bay.

Payload Carrier

One of major classes of standard payload carriers certified for use with the space shuttle to obtain low-cost payload operations. The payload carriers are identified as habitable modules (Spacelab) and attached but uninhabitable modules (pallets, free-flying systems, satellites, and upper stages).

Payload Changeout Room

An environmentally controlled room at the launch pad for inserting payloads vertically into the orbiter cargo bay.

Payload Discipline Training

Preparation of a mission or payload specialist for handling a specific experiment. This training is usually the responsibility of the user.

Payload Operations Control Center

Central area, located at any of three NASA centers, from which payload operations are monitored and controlled. The user, in many instances, will have direct command of a payload from this control center.

Payload Preparation Room

Facility at the Vandenberg Air Force Base launch pad for processing and checking payloads.

Payload Specialist

This crewmember, who may or may not be a career astronaut, is responsible for the operation and management of the experiments or other payload elements that are assigned to him or her, and for the achievement of their objectives. The payload specialist will be an expert in experiment design and operation.

Payload Station

Location on the orbiter aft flight deck from which payload-specific operations are performed, usually by the payload or mission specialist.

Payload Supplier

Owner/operator of any space shuttle payload.

Peculiar Part

Any part which must be produced to order in accordance with a particular drawing and/or specification. Any part requiring flight certification shall be classified peculiar. Also, normally standard parts that must be selectively accepted (to criteria different from the usual standard part requirements) shall be considered peculiar.

Phased Provisioning

A refinement to the provisioning process whereby procurement of selected items is phased by time interval into the later stages of production, thereby enhancing the ability of the provisioning activity to select the most favorable mixture of requirements.

Pilot

This crewmember is second in command of the flight and assists the commander as required in the conduct of all phases of orbiter flight.

Planning Operations Management Team

Elements of the Mission Control Center (MCC) that perform preflight functions and assist the user in requesting facilities, software, command, telemetry, and flight requirements and Payload Operations Control Center (POCC) interfaces.

POGO

A situation of coupled oscillations between a vehicle propellant feedsysteM and the propulsion system.

Preliminary Engineering Report—Final Release

That date when preliminary engineering is complete and the final documentation has been released. Distribution of the final documentation completes this milestone.

Priced Spare Parts List

A priced list of items and quantities of spare parts selected for procurement under the contract.

Principal Investigator

Research scientist who is in charge of the conduct of an experiment carried by any Space Transportation System (STS) element.

Procurement/Fabrication Complete

That date when all procurement and fabrication for a particular facility has been finished. Certified acceptance by the site activation office completes this milestone.

Procurement Method Code

The contractor will use alpha-suffix codes (6, 7, or 8) contained in MIL-STD-789B to communicate his reason for the assignment of a Contractor Recommended Code (CRC). Procurement Method Codes (1 through 5) will always be assigned by government representatives from the CRC codes furnished by the contractor.

Program

An activity involving manpower, material, funding, and scheduling which is necessary to achieve desired goals (e.g., Shuttle Program, Solar Astronomy Program, etc.).

Program Check List

This list is used to provide data governing initial provisioning for end items of shuttle hardware and related support equipment.

Provisioning Activity

The provisioning team of the Space Transportation System (STS) Projects Office is responsible for the selection and the determination of requirements for the provisioned items.

Provisioning Performance Schedule

A checklist of entries including schedules in the provisioning process that is used to monitor such events.

Provisioning Screening

Provisioning Screening, when required by the Provisioning Requirements Statement, will be accomplished in accordance with DOD 4100.38M (Provisioning and other Preprocurement Screening Manual).

Provisioning Specification

The contractual instrument to provide clear and concise instructions which will achieve the objective of providing adequate, timely, and economical support by need dates for systems and end items entering the inventory. It provides NASA with the flexibility in selecting minimum essential data for each specific procurement, and provides the contractor with the detailed guidance to fulfill provisioning requirements. The finalized Provisioning Requirements Statement and the Provisioning Specification shall be appended to the end item contract.

Provisioning Technical Documentation (PTD)

The generic term used to reference the various types of provisioning lists, decks of punch cards mechanized, or automatic data processing tapes. PTD shall be furnished by contractors to Kennedy Space Center (KSC) provisioning activities for the identification, selection, determination of initial requirements, and cataloging of support items to be procured through the provisioning process. Supplementary provisioning technical documentation is also considered to be a part of the PTD.

Q

Qualitative Requirements

Qualitative requirements further amplify the maintenance concept to the designer, by converging special features which the operator/user wants designed into the hardware. Specialized qualitative requirements to be considered for specification insertion are:

1. Failure Detection
2. Performance Degradation Detection
3. Built-In Test Equipment
4. Adjustments
5. Ground Support Equipment (GSE)-Integrated/Automated/Manual
6. Self-Test
7. Skill Levels
8. Special Tools
9. Accessibility
10. Interchangeability

Quantitative Requirements

Quantitative requirements provide a firm goal (appointment of time available for maintenance) for the designer to meet his design, and also provide a requirement whose goal can later be demonstrated during the verification period.

This type of quantitative requirement, specified in a maintainability activity, must be responsive to the operational use of the equipment. Times may be specified in man-hours, clock-hours, or both. Maintenance times may also be broken out and levied for the various elements that comprise the total repair functions such as fault isolate, remove/replace, or checkout. The requirement will also be specified for all applicable levels of maintenance: organizational, intermediate, and depot. A listing of the common types of requirements to be considered are:

1. Maintenance Hours/Launch
2. Maintenance Hours/Operating Hour
3. Mean Time To Repair
4. Maximum Repair Time
5. Scheduled Replacement Intervals
6. Inspection Frequency and Maintenance Hours
7. Servicing Frequency and Maintenance Hours

R

Racks

Same as experiment racks.

Reaction Control Subsystem

Thrusters on the orbiter that provide attitude control and three-axis translation during orbit insertion, on-orbit, and reentry phases of flight.

Ready To Support

That date when equipment/facilities are required to support a project/facility milestone. First operational use of the equipment/facilities completes the milestone.

Remote Manipulator System

Mechanical arm on the cargo bay longeron. It is controlled from the orbiter aft flight deck to deploy, retrieve, or move payloads.

Reorder Point

The inventory level, representing procurement lead time and safety level quantitative requirements (on-hand and on-order balances), at which spare item replenishment is to be initiated.

Repair Parts

Those support items that are coded as "not repairable" (i.e., consumable items).

Repairable Item

An item in unserviceable condition that can be economically repaired and returned to a serviceable condition.

Note: Repairable status is determined after failure occurs.

Reparable Item

An item, which because of economic and design characteristics, is determined to be subject to repair when it becomes unserviceable, and then returned for use.

Note: This term reflects the logistics status rather than the physical status of the item. Repairable categorization is made before failure occurs.

Request For Proposal (RFP)

That point in time when the necessary documentation is issued to request proposals from prospective bidders prior to negotiation of a contract. Issue of the RFP by procurement office completes this milestone.

Retrieval

The process of utilizing the remote manipulator system and/or other handling aids to return a captured payload to a stowed or berthed position. No payload is considered retrieved until it is fully stowed for safe return or berthed for repair and maintenance tasks.

Rotating Service Structure

An environmentally controlled facility at the launch pad used for inserting payloads vertically into the orbiter cargo bay.

S

Safety Training

Instructions which alert a trainee to those conditions or operations which could be substantially dangerous to the operator, or other hazard that would damage equipment or property.

Scheduled Delivery

When NASA provides a required delivery schedule with each spare parts order, the contractor shall accept the order and within 30 days notify NASA of his acceptance of the schedule for negotiation. The approved schedule will be incorporated into the contract by supplemental agreement.

Scheduled Maintenance

Any repetitive maintenance action deemed necessary to ensure the functional success of equipment including periodic servicing and replacement of time/cycle components.

Shared Equipment Need Date (SEND)

The date equipment/ground support equipment (GSE) to be used at more than one location is required to support site activation activities at the secondary location(s). The need date at the first-use location will be the site activation need date for that location.

Shared Flight

A flight that carries the payloads of more than one user. Reimbursement in this price category is based on the percentage of the orbiter cargo capacity required plus options (or a pro rata share of those options used).

Shop Replaceable Unit (SRU)

Any item whose replacement constitutes the optimum, intermediate, or depot level of repair action, i.e., a module for a line replaceable unit (LRU) which can be removed at an intermediate or depot repair facility.

Simulator

A heavily computer-dependent training facility that imitates flight hardware responses.

Site Activation Need Date (SAND)

The date equipment/ground support equipment (GSE) is required on-dock to support installation and validation. Uncrating, inspection, and handling time must be allowed in establishing the SAND.

Solid Rocket Boosters (SRB)

An element of the space shuttle that consists of two solid rocket motors to augment ascent thrust at launch. They are separated from the orbiter soon after lift-off and recovered for reuse.

Source, Maintenance, and Recoverability (SMR) Code

An SMR code shall be recommended by the end item contractor or design agency for each component part. The code will be used to communicate maintenance and supply instructions to the various support/maintenance activities.

Spacelab

A general-purpose orbiting laboratory for manned and automated activities in near-Earth orbit. It includes both module and pallet sections, which can be used separately or in several combinations.

Space Shuttle

Orbiter, external tank, and solid rocket boosters.

Space Tracking and Data Network

A number of ground-based stations having direct communications with NASA flight vehicles.

Space Transportation System (STS)

An integrated system consisting of the space shuttle (orbiter, external tank, solid rocket booster, and flight kits), upper stages, Spacelab, and any associated flight hardware and software.

Space Transportation System Associated Payload

A specific complement of instruments, space equipment, and support hardware carried into space to accomplish a mission (or discrete activity).

Space Tug

An upper stage installed in the cargo bay of the orbiter for the payload launch, or recovery and landing. Developed specifically with the capability for delivery, retrieval, and servicing of payloads in orbits and trajectories beyond the capability of the shuttle alone. It is intended to be retrievable for refurbishing and multiple reuse.

Spare Parts Order

A spare parts provisioning list which has been approved by the NASA Contracting Office, and released to the contractor for fabrication or procurement.

Spares

Those support items that are coded to be repairable (i.e., repairable items).

Special Tools, Test Equipment, and Support Equipment

Those support items that have single/peculiar application to a specific end item.

Spinning Solid Upper Stage

Propulsive upper stage designed to deliver spacecraft of the Delta and Atlas-Centaur classes to Earth orbits beyond the capabilities of the space shuttle.

Stability Rate

The maximum angular rate error during steady state limit cycle operation.

Standard Part

Any part or item which is adequately defined by a recognized government-wide or industry-associated standard drawing and/or specification, and is normally available from commercial, Defense Supply Agency (DSA), and/or General Services Administration (GSA) sources (e.g., nuts, bolts, washers, screws, pins, keys, grommets, rivets, o-rings, clips, fasteners, clamps, fittings, standard electrical and electronic components, etc.).

Statement of Prior Submission

A certification by an offerer/contractor that provisional technical documentation (PTD) previously furnished to the government may satisfy the immediate PTD requirements, with or without changes, to update the PTD to the end item configuration to be procured.

Stowing

The process of placing a payload in a retained position in the cargo bay for ascent or return from orbit.

Subassembly

Two or more parts which form a portion of an assembly or a component replaceable as a whole, but having a part or parts which are individually replaceable (e.g., telephone dial, mounting board with mounted parts, etc.).

Supplementary Provisioning Technical Documentation (SPTD)

Supplemental Provisioning Technical Documentation is technical data used to describe parts/equipment and consists of data such as specifications, standards, drawings, photograph, sketches and descriptions, and the necessary assembly and general arrangement of drawings, schematic drawings, schematic diagrams, wiring and cable diagrams, etc., needed to indicate the location and function of the item. As a minimum, SPTD must be capable of providing for:

1. Technical identification of items for maintenance support considerations.
2. Preparation of item identification for the purpose of assigning National Stock Numbers.
3. Review for item entry control.
4. Standardization.
5. Review for potential interchangeability and substitutability.

6. Item management coding.
7. Preparation of stock/issue lists.
8. Initial procurement from the contractor or original manufacturer.

Support Equipment

Those support items that are not an integral part of an end item but are required in the operation of the end item.

Support Equipment Installation and Checkout Complete

That date when individual support equipment items have been completely installed and validated at the facility. Certification by the site activation office completes this milestone.

Support Items

Items subordinate to, or associated with, an end item (e.g., spares, repair parts, tools, test equipment, support equipment, and sundry materials) and required to operate, service, repair, or overhaul an end item.

Support Requirements Analysis

An analysis accomplished during the system design to establish logistics support requirements. The analysis is a step-by-step process of predicting operational and maintenance activities, and defining and documenting the required resources.

T**Tags**

Characteristic operating performance values for a specific serialized rocket engine or motor (i.e., thrust, mixture ratio, etc.).

Tilt/Spin Table

Two-satellite communication systems providing principal coverage from geosynchronous orbit for all Space Transportation System (STS) flights.

Tracking and Data Relay Satellite System

Two-satellite communication systems providing principal coverage from geosynchronous orbit for all Space Transportation System (STS) flights.

Trainer

A training device or facility that provides primarily a physical representation of flight hardware. It may have limited computer capabilities.

Training Requirements Analysis

An analysis accomplished to determine the skill levels, type, and quantities necessary to support a maintenance philosophy, through maintenance engineering analysis or support requirements analysis.

U

Unscheduled Maintenance

Any maintenance activity required as a result of the random failures of equipment. It includes the restoration to a serviceable condition of a failed subsystem, end item, replacement package or unit, component, or part.

Upper Stage

Spinning solid upper stage or inertial upper stage. Both are designed for launch in the orbiter cargo bay and have propulsive elements to deliver payloads into orbits and trajectories beyond the capabilities of the shuttle.

Upweight

Launch weight. It refers specifically to payloads and all items required by specific payloads.

User

An organization or individual requiring the services of the Space Transportation System.

Utilizing Planning

The analysis of approved (funded or committed) payloads with operational resources, leading to a set of firm flight schedules with cargo manifests.

V

Validation

Verification that the equipment/system meets the operational needs of the operations and maintenance (O&M) user, and is part of the

turnover process from the design agency to the O&M agency.

Vehicle Assembly Building

High-bay building near Kennedy Space Center (KSC) launch pad in which the shuttle elements are stacked onto the mobile launch platform. It is also used for vertical storage of the external tanks.

Vendor Item

An item which is used in or attached to the end item produced by the contractor under his contract; and which is procured by the contractor on the open market or from established sources, and for which the contractor is not part of the design activity.

W

Western Launch Operations Division

NASA operation at Vandenberg Air Force Base.

Work Station

A facility or functional area where organizational level operations and maintenance tasks are performed in direct support of a turnaround cycle, or where intermediate and depot level maintenance tasks on shuttle components (or related ground support equipment (GSE)) are performed.

Work Unit Code

A six alphanumeric character indented equipment identification code which uniquely identifies the entire system from top down to line replaceable unit (LRU) component use level. It functionally identifies the system, subsystem, assembly component, and significant repairable part on which maintenance is to be performed.

Z

Zenith

That point of the celestial sphere vertically overhead. The point 180° from the zenith is called the nadir.

SECTION II

ACRONYMS AND ABBREVIATIONS

A

3AAL	Three Axis Acoustic Levitator	A/L	Approach/Landing
A	Angstrom		Approach and Landing/Autoland
A	Acceleration		Airlock
	Aft		Autoland
	Alpha	A/M	Auto/Manual
	Ampere	A/m	Ampere per Meter
	Analog Signal	A/N	Alphanumeric
A&A	Advertise and Award	A/O	Analog/Output
A&E	Architects and Engineering	A/P	Airport
	Architectural and Engineering	A/R	As Required
A&I	Assembly and Installation		Autoland Rollout
A&L	Approach and Landing	A/S	Airspeed
A&P	Attitude and Pointing		Ascent Stage
A&R	Automation and Robotics		Auxiliary Stage
A&PS	Administration and Program Support (MSFC Directorate)	AA	Accelerated Assemblies
A&RC	Application and Resource Control		Accelerometer Assemblies
A&TA	Assembly and Test Area		Accelerometer Assembly
A&V	Assembly and Verification		Airplane Avionics
A/A	Air to Air		American Airlines
A/C	Air Conditioning		Associate Administrator
	Aircraft	AA/AL	Angular Accelerometer
	Associate Contractor		Airplane Avionics/Autoland
A/D	Analog to Digital		Automatic Approach/Autoland
A/E	Activity Elements	AA/SF	Associate Administrator for Space Flight
	Architectural and Engineering	AA/TDA	AA for Tracking and Data Acquisition
A/F	Air-to-Fuel Ratio	AAA	Astronaut-Actuated Abort
A/FM	Air/Firing Mechanism	AAAS	American Association for the Advancement of Science
A/G	Air to Ground	AACS	Attitude and Antenna Control System
		AADS	Ascent Air Data System
		AADSF	Advanced Automated Directional Solidification Furnace

AAE Abort Advisory Equipment
Aerospace Ancillary Equipment
Aerospace Auxiliary Equipment

AAEA Automated Analytical Electrophoresis Apparatus

AAFE Advanced Applications Flight Equipment
Aeroassist Flight Experiment

AAH Automated Attitude Hold (for MMU)

AAIR Advanced Atmospheric Sounder and Imaging Radiometer

AAN Agency Action Notice

AAP Airlock Adapter Plate
Analog Autopilot
Apollo Application Program

AAS Abort Advisory System
American Astronomical Society

AAT Activation Acceptance Team

AB Airborne
Auto-Beacon
Avionics Bay

ABA dc Amplifier, Buffer, Attenuator

ABACS Automated Booster Assembly Checkout System

ABC Automatic Brightness Control

ABCF As-Built Configuration File

ABCL As-Built Configuration List

ABCR As-Built Configuration Record

ABE Air-Based Electronics

ABERT Auto Bit Error Rate Test

ABM Acquisition Bus Monitor
Advanced Bill of Materials
Apogee Boost Motor

ABMA Army Ballistic Missile Agency

ABRT Abort (preferred over ABT)

ABRTREQ Abort Request

ABS Absolute
Absorber

ABS CLG Absolute Ceiling

ABT Abort

AC Aerodynamic Center
Applications Controller
Comptroller (KSC Directorate)
Assembly Complete
Aspect Camera

ac Alternating Current

ACA Altitude Controller Assembly
Annunciator Control Assembly
Attitude Controller Assembly

ACB Air Cushion Barge

ACC Accumulate
Automatic Control Console
Auxiliary Crew Compartment

ACCEL Acceleration
Accelerometer

ACCESS Accessory
Assembly Concept for Construction of Erectable Space Structure

ACCN Audit Central Control Network

ACCU Award Central Control Unit
Audio Central Control Unit
Audio Center Control Unit

ACCUM Accumulator

ACD Access Control Document
Accuracy Control Document
Apogee Kick Motor Capture Device
Architectural Control Document

ACE Acceptance Checkout Equipment
Automatic Checkout Equipment

ACES	Acceptance Checkout and Evaluation System Acceptance Control Equipment Section Acceptance Control Equipment System Acoustic Containerless Experiment System Active Control Evaluation for Spacecraft Automatic Checkout Equipment Sequencer	ACO	Abort-Once-Around Cutoff Acceptance Checkout Administrative Contracting Officer
ACEU	Aerocontrol Electronics Unit	ACP	Astronaut Control Panel Audio Control Panel
ACI	Age Controlled Item	ACPL	Atmospheric Cloud Physics Laboratory
ACIL	Automatic Controlled Instrument Landing	ACPM	Associate Contractor Program Manager Attitude Control Propulsion Motor
ACIP	Aerodynamic Coefficient Instrumentation Package Aerodynamic Coefficient(s) Identification Package	ACPO	Associate Contractor Project Office
ACIS	Advanced CCD Imaging Spectrometer	ACPS	Attitude Control Propulsion System (Subsystem)
ACK	Acknowledge	ACPT	Accept
ACL	Allowable Container Load Ascent Closed Loop	ACQ	Acquire Acquisition
ACLC	Adaptive Communication Live Controller	ACR	Active Cavity Radiometer Solar Irradiance Monitor Experiment Actual Cost Report
ACLS	Automated Control and Landing System	ACRS	Advisory Committee on Reactor Safeguards
ACM	Acquisition Control Module Activity Classification Number Allocated Configuration Management Auxiliary Core Memory	ACS	Aft Crew Station Alternating Current Synchronous American Chemical Society Atmosphere Control System Attitude Control System (IPS preferred) Automated Control System
ACMB	Applications Configuration Management Board	ACT	Acquisition, Control of Test (Units) Activate, Activation Actuate, Actuator Actual
ACMS	Automated Configuration Management System	ACTA	Active Test Article
ACN	Ascension Island (STDN)	ACTCS	Active Thermal Control System
		ACTIV	Activation
		ACTR	Actuator

ACTS	Advanced Communication Technology Satellite	ADP	Acceptance Data Package Advanced Development Program Air Data Probe Automatic Data Processing Avionics Development Facility
ACTV	Active		
ACU	Annunciator Control Unit Avionics Cooling Unit		
ACUO	Avionics Cooling Unit Operator	ADPA	Air Data Probe Assemblies
ACV	Air Cushion Vehicle	ADPE	Automatic Data Processing Equipment
ACWP	Actual Cost for Work Performed	ADR	Address Adiabatic Demagnetization Refrigeration
AD	Administrative Operations and Support Service (KSC Dir.) Air Data Air Density Aperture Door	ADS	Air Data Sensor Air Data System Aspect Determination System Aspect Determination Subsystem Attitude Display System Audio Distribution System
ADA	Air Data Assembly Azimuth Drive Assembly		
ADAP	Adaptive Intercommunication Requirement	ADSF	Automatic Directional Solidification Furnace
ADB	Aerodynamic Data Book	ADT	Air Data Transducer
ADC	Air Data Computer Analog-to-Digital Computer Analytic Drag Control	ADTA	Air Data Transducer Assembly
Adc	Amperes Direct Current	ADU	Annunciator Display Unit
ADCLS	Automated Data Collection/Location System	AE	Atmosphere Explorer
ADCR	Applicable Document Contractual Record	AEB	Aft Equipment Bay
ADD	Address	AEC	Aft End Cone Aft Events Controller Atomic Energy Commission
ADDR	Address	AED	Analog Event Distributor
ADEOS	Advanced Earth Observation Satellite	AEDC	Arnold Engineering Development Center
ADF	Automatic Direction Finder Automatic Display Finder	AEDS	Analog Event Distribution System
ADH	Advanced Development Hardware	AEM	Acoustical Emission Monitoring Animal Enclosure Module
ADI	Attitude Directional Indicator Attitude Display Indicator	AEMB	Alabama Energy Management Board
ADJ	Adjust	AEPI	Atmospheric Emission Photometric Imaging
ADL	Avionics Development Laboratory (RI-SD)		Atmospheric Imaging Instrument

AERO	Aerodynamic Aerosurfaces Atmospheric Flt Supt	AFF	Acceptance and Ferry Flight
AES	Analog Event System Atmosphere Exchange System Auger Electron Spectroscopy	AFFTC	Air Force Flight Test Center (Edwards AFB)
AESC	Aerojet Electrosystems Company	AFGE	Association of Federal Government Employees
AET	Aerosurface End-to-End Test	AFGL	Air Force Geophysics Laboratory
AETL	Approved Engineering Test Laboratory	AFGWC	Air Force Global Weather Center
AEWG	Active Experiment Working Group	AFI	Automatic Fault Isolation
AF	Aft Fuselage Airframe Air Force Audio Frequency	AFL	Autoland Flight Tests
AFA	Airframe Assembly	AFLC	Air Force Logistics Command
AFAD	Armed Forces Acquisition Document	AFM	Air Force Manual
AFALD	Air Force Acquisition Logistics Division (WPAFB)	AFO	Announced Flight Opportunity Announcement of Flight Opportunities
AFB	Air Force Base	AFPD	Authorization for Program Development
AFC	Aerodynamic Flight Control Automatic Flight Control Automatic Frequency Control	AFPRO	Air Force Plant Representatives Office
AFCE	Automatic Flight Control Equipment	AFR	Air Force Regulation
AFCS	Automatic Flight Control System	AFRPL	Air Force Rocket Propulsion Laboratory (EAFB)
AFD	Aft Flight Deck Assistant Flight Director	AFRSI	Advanced Flexible Reusable Surface Insulation
AFDCP	Aft Flight Deck Control Panel	AFS	Air Force Standard
AFDO	Aft Flight Deck Operator	AFSC	Air Force Systems Command
AFDPDB	Aft Flight Deck Power Distribution Box	AFSCF	Air Force Satellite Control Facility Air Force Satellite/Spacecraft Control Facility
AFE	Aeroassist Flight Experiment American Flight Electrocardiograph	AFSCN	Air Force Satellite Control Network
AFEB	Award Fee Evaluation Board	AFSIG	Ascent Flight Systems Integration Group
AFEC	Award Fee Evaluation Committee	AFSSD	Air Force Space Systems Division
AFETR	Air Force Eastern Test Range (ESMC preferred)	AFSWC	Air Force Special Weapons Center (Holloman AFB)
AFETRM	Air Force Eastern Test Range Manual	AFT	Aerodynamic Flight Test Atmospheric Flight Test Autogenic Feedback Training
		AFTA	Acoustic Fatigue Test Article Aft Frame Tilt Actuator

AFTEC	Air Force Test and Evaluation Center	AH	Attitude Hold
AFV	Antiflood Valve	Ah	Ampere Hour
AFZES	Analytical Float Zone Experiment System	AHI	Artificial Horizon Indicator
AG	Artificial Gravity Attitude Gyro	AHP	Attitude Hold (Pitch Axis)
AGAA	Attitude Gyro Accelerometer Assembly	AHR	Ablative Heat Rate Attitude Hold (Roll Axis)
AGAP	Attitude Gyro and Accelerometer Package	AHRS	Attitude Heading Reference System
AGC	Aerojet-General Corporation Automatic Gain Control	AI&R	Artificial Intelligence and Robotics
AGCA	Automatic Ground Controlled Approach	AI&T	Assembly, Integration, and Test
AGCE	Atmospheric General Circulation Experiment	AI	Action Item Airspeed Indicator Altimeter Indicator Altitude Indicator Artificial Intelligence Attitude Indicator
AGCL	Automatic Ground Controlled Landing	AIA	Aerospace Industries Association
AGCU	Air Ground Cooling Unit Attitude Gyro Coupling Unit	AIAA	American Institute of Aeronautics and Astronautics
AGE	Aerospace Ground Equipment Air/Ground Equipment Automatic Ground Equipment	AICC	Action Item Control Card
AGI	Agreement Item	AICS	Action Item Closeout Sheet
AGL	Above Ground Level Absolute Ground Level	AID	Abbreviated Item Description Analog Input Differential Audit Item Disposition
AGMC	Aerospace Guidance and Metrology Center	AIDS	Airborne Integration Data System
AGO	Santiago, Chile (Standardization)	AIL	Aileron Avionics Integration Laboratories
AGOES	Advance Geosynchronous Observation Environment Satellite	AILAS	Automatic Instrument Landing Approach System
AGOSS	Automated Ground Operations Sched- uling System (also AUTO-GOSS)	AILS	Automatic Instrument Landing System
AGS	Abort Guidance System Advanced Gimbal System Antigravity Suit	AIM	Automated Information Management
AGU	American Geophysical Union	AIP	American Institute of Physics Avionics Integration Plan
AGVS	Air/Ground Voice System	AIPR	Automated Information Processing Resources
		AIR	Action Item Report Adaptive Intercommunication Require- ment

AIS	Action Item Sheet Airlock Illumination Subassembly Analog-In Single-Ended	ALPHA	Angle of Attack (Pitch) Right Ascension
AISC	American Institute of Steel Construction	ALPS	Approach and Landing Procedures Simulator
AIST	Agency of Industrial Science and Technology	ALRC	Aerojet Liquid Rocket Corporation
AIU	Abort Interface Unit Avionics Interface Unit	ALS	Advance Logistics System Advanced Launch System Airlock System (ECLS) Alternate Landing Site Alternate Launch Site Approach Landing System Automatic Landing System
AJ	Assembly Jig	ALSA	Astronaut Life Support Assembly
AKM	Apogee Kick Motor	ALSE	Astronaut Life Support Equipment
AL	Acoustic Levitator Airlock	ALSS	Airlock Support System (Subsystem)
AL/EMU	Airlock/Extravehicular Mobility Unit	ALT	Alternate Altitude Approach and Landing Tests
ALAE	Atmospheric Lyman Alpha Emission	ALTM	Altimeter
ALAS	Approach Landing Autopilot System (Subsystem) Automatic Landing Autopilot Subsystem	ALTR	Approach and Landing Test Requirement
ALC	Aft Load Controller Air Logistics Center Audio Load Compensator Automatic Level Control (Camera) Automatic Light Control	ALU	Advanced Levitation Unit Arithmetic Unit
ALCA	Aft Load Control Assembly Automatic Level Control Assembly	AM	Actuator Mechanism Administration and Management Operations (KSC Dir.) Alpha Meter Ammeter Amplitude Modulation Antenna Management
ALDO	Activity Level Dependent Operations	AMA	Air Material Area (now Air Logistics Centers)
ALE	Airport Landing Equipment Airport Lighting Equipment	AMB	Ambient
ALERT	Acute Launch Emergency Reliability Tip	AMC	Automatic Mixture Control
ALF	Acoustic Levitation Furnace	AMCA	Aft Motor Control Assembly
ALFE	Advanced Liquid Feed Experiment	AMCP	ADL Master Control Program
ALGOL	Algorithmic Language	AMDB	Automated Maintenance Data Base
ALIO	Activity Level Independent Operations		
ALM	Alarm		
ALN	Alignment		

AMDM	Acoustic Midflight Deck Module	AMST	Advanced Medium STOL Transport
AMDS	Advanced Missions Docking Subsystem	AMSU	Advanced Microwave Sounding Unit
AMEC	Aft Master Events Controller	AMTAS	Automatic Modal Tuning and Analysis System
AMF	Abort Motor Facility Apogee Motor Firing	AMTD	Automatic Magnetic Tape Dissemination
AMG	Activation Management Group	AMTF	Acoustic Model Test Facility
AMI	Absolute Memory Image Airspeed Mach Indicator Alpha/Mach Indicator	AMU	Astronaut Maneuvering Unit Attitude Matchup Update
AML	Approved Materials List	AN	Applications Notice Army/Navy
AMLC	Asynchronous Multiline Controller	ANA	Air Force-Navy Aeronautical Bulletin
AMMS	Automatic Maintenance Management System	ANAL	Analysis
AMOOS	Advanced Maneuvering Orbit-to-Orbit Shuttle	ANC	Active Nutation Control
AMOS	Air Force Maui Optical Site	ANCE	Attitude Nutation Control Electronics
AMP	Ampere	AND	Air Force-Navy Aeronautical Design Standard
AMPR	Aeronautical Manufacturers Planning Report Aeronautical Manufacturers Progress Report	ANG	Angle
AMPS	Atmosphere, Magnetosphere, and Plasmas in Space Atmospheric Magnetospheric Plasma System	ANIK	Canadian Communications Satellite
AMPTE	Active Magnetospheric Particle Tracer Explorers	ANL	Analog Automatic Noise Limiter
AMR	Advanced Microwave Radiometer Atlantic Missile Range	ANLG	Analog
AMRV	Astronaut Maneuvering Vehicle	ANNUN	Annunciator
AMS	Acoustic Measurement System Actuation Mechanism Subsystem American Meteorological Society Amplifier Amplifier Subsystem	ANRA	Air Navigation Radio Aids
AMSAT	Radio Amateur Satellite Corp.	ANSI	American National Standards Institute
		ANT	Antenna Antigua (ETR)
		AO	Analog Output Announcement of Opportunity
		AOA	Abort-Once-Around Angle of Attack
		AOCE	Attitude and Orbit Control Electronics
		AOCRD	Acceptance and Operational Checkout Requirements Document
		AOCS	Attitude and Orbit Control Subsystem

AOD	Aircraft Operations Division (JSC) Analog Output Differential Assistant Operations Director	APCI	Air Products and Chemicals, Inc.
AOO	Administrative Operations Office	APCS	Autonomous Payload Control System
AOPM	Airline Operations Planning Model	APD	Area Passive Dosimeter
AORM	Atomic Oxygen Resistance Monitor	APE	Auroral Photography Experiment
AOS	Acquisition of Signal	APERT	Aperture
AOSO	Advanced Orbiting Solar Observatory	API	Air Position Indicator
AOT	Actual Operating Time Alignment Optical Telescope Avionics Operating Time Avionics Overall Test	APIF	Automated Process Information File
AOTV	Aeroassisted Orbital Transfer Vehicle	APIRD	Authorized Procurement Information Requirements Description
AP	Access Panel Air Pressure Ammonium Perchlorate Application Processor Atmospheric and Space Physics Attitude Processor Procurement, Support and Transportation (KSC Dir.)	APIRL	Authorized Procurement Information Requirements List
APA	Abort Programmer Assembly Allowance for Program Adjustment	APLAC	Analysis Program Linear Active Circuits
APA(E)	Attached Payload Accommodations (Element)	APM	Ascent Particle Monitor Assistant Project Manager Astronaut Positioning Mechanism
APC	Adapted Payload Carrier Advanced Propulsion Comparison Study Aft Power Controller Allocated Prime Costs Armored Personnel Carrier Automatic Phase Control Autonomous Payload Controller	APP	Advanced Procurement Package Approach Approach Astrophysics Payload Approved Astrophysics Payload
APCA	Aft Power Controller Assembly	APPF	Automated Payload Processing Facility
APCC	Atmospheric Pressure and Composition Control	APPLE	Advanced Propulsion Payload Effects
APCG	Advanced Protein Crystal Growth	APPS	Auxiliary Payload Power System
		APPX	Appendix
		APR	Advanced Parts Release
		APRS	Automated Procurement Request System
		APS	Aft Propulsion System (Subsystem) Alternate Payload Specialist American Physical Society Astronaut Positioning System Attitude Propulsion Subsystem Automatic Processing System Auxiliary Power Subsystem Auxiliary Propulsion System

APSA	Asymmetric and Planar Structural Analysis	ARI	Airconditioning and Refrigeration Institute
APSAP	Auxiliary Propulsion System Aft Prod	ARIES	Astronomical Radio Interferometric Earth Surveying
APSS	Atmospheric Pressure Supply Subsystem	ARINC	Aircraft Radio, Incorporated
APT	Advanced Propulsion Test Astronaut Preference Test Automatic Picture Transmission Automatic Programmed Tool	ARMS	Automated Requirements Management System Automated Resources Management System
APTI	Automatic Programmed Test Input	ARN	Additional Reference Number
APU	Auxiliary Power Unit Auxiliary Propulsion Unit	ARP	As-Run Procedure
APUS	Auxiliary Power Unit Subsystem	ARPCS	Atmospheric Revitalization Pressure Control System
APUT	Auxiliary Power Unit Test	ARPESH	Accurate and Reliable Prototype Earth Sensor Head
AQL	Acceptance Quality Level	ARPF	Army Pulse Radiation Facility
AR/IRR	Acceptance Review/Integration Readiness Review	ARR	Array
AR	Acceptance Readiness Acceptance Review Atmospheric Revitalization	ARRL	American Radio Relay League
AR&DA	Advanced Research and Development Activity	ARRS	Air Recovery and Rescue Service
ARA	Attitude Reference Assembly AVVI Radar Altitude	ARS	Advanced Recovery System Air Rescue Science Air Rescue Service Air Revitalization System Atmospheric Revitalization System Attitude Reference System
ARABSAT	Saudi Arabian Comm. Satellite	ARTCC	Air Route Traffic Control Center
ARAP	Astronaut Rescue Air Pack	AS	Aft Shroud Ascent Attitude Set
ARC	Aggregation of Red Blood Cells Ames Research Center (Moffett Field, CA)	AS&E	American Science and Engineering
ARCOMSAT	Arab League Communications Satellite	ASA	Abort Sensor Assembly Adapter Service Area Aerosurface Amplifier Aerosurface Servo Amplifier Altitude Switch Assembly American Standards Association Assured Shuttle Availability
ARCS	Aft Reaction Control System (Subsystem)		
ARF	Assembly and Refurbishment Facility		
ARFDS	Automatic Reentry Flight Dynamics Simulator		

ASAC	Aerodynamic Surface Assembly and Checkout	ASED	Avionics Systems Engineering Division (JSC)
ASAP	Aerospace Safety Advisory Panel As Soon as Possible	ASF	Atmospheric Science Facility
ASAS	Aerodynamic Stability Augmentation Subsystem	ASG	Avionics Subsystem Group
ASB	Airlock Stowage Bag	ASHRAE	American Society of Heating, Refrigeration, and Airconditioning Engineers
ASC	Aerodynamics Surface Control Aerosurface Control American Satellite Company Ascent Automatic Sensitivity Control	ASI	Airspeed Indicator Amended Shipping Instructions Augmented Spark Igniters Augmented System Ignition
ASC/AB T	Ascent/Abort	ASK	Amplitude Shift Keying
ASCADS	Aft Station Command and Data Systems	ASKA	Automatic Systems for Kinematic Analysis
ASCE	Airlock Signal Conditioning Electronics	ASL	Above Sea Level
ASCG	Automatic Solution Crystal Growth	ASLU	Antenna Select Logic Unit
ASCII	American Standard Code for Information Interchange	ASM	Assembler Language
ASCP	Attitude Set Control Panel	ASME	American Society of Mechanical Engineers
ASCS	Atmospheric Storage and Control Section Atmosphere Storage and Control Subsystem (System) Attitude Stabilization and Control System	ASO	Advanced Solar Observatory Ammonia System Operations Aviation Safety Office
ASDE	Aerosurface Driver Electronics	ASP	Activity Scheduling Program Aerosurface Position Airborne Science Program Aspirator
ASDM	Aerosurface Driver/Monitor	ASPI	Aerosurface Position Indicator
ASDTIC	Analog Signal to Discrete Time Interval Converter	ASPP	Atmospheric and Space Plasma Physics
ASE	Advanced Space Engine Airborne Support Equipment Automatic Support Equipment	ASPS	Annular Suspension Pointing System
ASEA	Advanced Solidification Experiment Activity	ASPSL	ASPP Sortie Laboratory
ASEB	Aeronautics and Space Engineering Board	ASQC	American Society for Quality Control
		ASR	Air/Sea Rescue Automatic Speech Recognition Avionics System Review
		ASRC	Alabama Space and Rocket Center
		ASRM	Abort Solid Rocket Motor Advanced Solid Rocket Motor

ASRS	Automated Software Reporting System	ATCOS	Atmospheric Composition Satellite
ASS	Airlock Support Subsystem	ATCS	Active Thermal Control Subsystem (System)
ASSESS	Airborne Science Shuttle Experiments System Simulation	ATD	Advanced Technology Development
	Airborne Science/Spacelab Experiment System		Alternate Turbopump Development
ASSY	Assembly	ATDB	Aerothermodynamic Data Book
AST	Aerospace Technologist	ATE	Airborne Test Equipment
	Astronomy		Automatic Test Equipment
ASTD	Advanced Space Technology Division	ATIS	Automatic Terminal Information System
ASTF	Aeropropulsion System Test Facility	ATL	Advanced Technology Laboratory
ASTG	Aerospace Test Group	ATLAS	Abbreviated Test Language for Avionics Systems
ASTIA	Armed Services Technical Information Agency (now DDC)		Atmospheric Laboratory for Applications and Science
ASTM	American Society for Testing Materials	ATLASS	Advanced Technology for Large Area Space Structures
ASTP	Apollo Soyuz Test Project	ATM	Apollo Telescope Mount
ASTR	Astronomy		Auxiliary Tape Memory
Astro	Astronomy Payload	atm	Atmosphere
Astro-1	Astronomy Payload-1	ATMOS	Atmospheric Trace Molecules Observed by Spectroscopy
ASTS	Avionics System Test Specification		Atmospheric Trace Molecule Spectroscopy
ASVT	Applications System Verification and Transfer	ATO	Abort-to-Orbit
ASYM	Asymmetry	ATOLL	Acceptance Test of Launch Language
AT	Action Time	ATP	Acceptance Test Procedure
	Astrometric Telescope		Activation Test Program
	Automatic TAEM		Authority to Proceed
AT&T	American Telephone & Telegraph	ATPA	Alpha Temperature Probe Assembly
ATA	Abort Timing Assembly	ATR	Air Transport Radio
	Air Transport Association		Air Transport Rating
	Avionics Test Article		Air Transportation Rack
ATAC	Advanced Technology Advisory Committee		
ATC	Ablative Thrust Control		
	Air Traffic Control		
	Air Training Command		
	ATE Computer		
ATCA	Attitude Translation Control Assembly		

ATS	Acceptance Test Specification	AV	Average Value
	Administrative Terminal System		Avionics
	Advanced Technology Spacecraft	AV BAY	Avionics Bay
	Analog Tone Signal	AVC	Automatic Volume Control
	Applications Technology Satellite	AVCG	Automatic Vapor Crystal Growth
ATS	Asynchronous Task Storage	AVE	Atmospheric Variability Experiment
	Automatic Terminal System		Avenal (TACAN Station)
ATT	Acceptance Thermal Test (Testing)	AVG	Average
	Attitude	AVL	Address Validity
ATTEN	Attenuation		Avionics Verification Laboratory
ATTS	Automatic Telemetry Tracking System	AVO	Avoid Verbal Orders
ATU	Airlock Audio Terminal	AVSM	Auxiliary Video Switch Matrix
	Audio Terminal Unit	AVSR	Avionics Verification Status Room
	Audio Thermal Unit	AVT	Acceptance Vibration Testing
ATVC	Ascent Thrust Vector Control	AVVI	Altimeter Vertical Velocity Indicator
	Ascent Thrust Vector Controller		Altitude/Vertical Velocity Indicator
	Automatic Thrust Vector Control	AW	Airlock Wall
ATVCD	Ascent Thrust Vector Control Driver		Assembly Workstand
AU	Accounting Unit	AWCS	Agency-Wide Coding Structure
	Addressable Unit		Automatic Work Control System
	Astronomical Unit	AWG	Activation Working Group
AUB	Aft Utility Bridge		American Wire Gage
AUD	Audio	AWL	Automated Wire List
AUG	Augment	AWS	Air Weather Service
AURA	Association of Universities for Research in Astronomy		American Welding Society
AUST DOMSAT			Automated Wiring System
	Australian Communication Satellite	AXAF	Advanced X-Ray Astrophysics Facility
AUT	Automatic	AXIOM	AXAF Imaging Optical/UV Monitor
AUTO	Automatic	AZ	Azimuth
AUTO-GOSS		AZS	Automatic Zero Set
	Automated Ground Operations Scheduling System (also AGOSS)		
AUTODIN	Automatic Digital Network		
AUTOLAND			
	Automatic Landing		
AUX	Auxiliary		

B

B	Bit	BAN	Budget Allocation Notice
B&G	Bridges and Gateways	BAPTA	Bearing and Power Transfer Assembly
B&P	Bid and Proposal Budgetary and Planning	BARB	Ballast Aerating Retrieval Boom
B&W	Black and White	BARO	Barometer
B-1 DIV	B-1 Division (Rockwell)	BARS	Baseline Accounting and Reporting System
B/A	Bank Angle Barometric Altimeter Buffer Amplifier	BASD	Ball Aerospace Systems Division
B/C	Bench Check	BASS	Backup Avionics System Software
B/L	Baseline	BATSE	Burst and Transient Source Experiment
B/O	Booster Orbiter Breakout Burnout	BATT	Battery
B/SC	Brake Skid Control	BB	Breadboard
B/s	Bits Per Second	BBC	Before Business Clearance
B/SMPL	Bits Per Sample	BBXRT	Broad Band X-Ray Telescope
B/U	Backup	BC	Battery Charger Binary Counter Bus Coupler
B/V	Bleed Valve	BCCT	Break Control Command Transducers
B/W	Black and White	BCD	Baseline Configuration Document Binary Coded Decimal Budget Change Document
BA	Bank Angle Breathing Air	BCE	Backup Control Electronics Beamsplitter Control Electronics Bus Control Element
BAC	Boeing Aircraft Company Booster Assembly Contractor Budget at Complete Buffer Access Card	BCFS	Backup Flight Control System
BACS	Body Axis Coordinate System	BCH	Binary Coded Hexadecimal Bose-Chaudhuri-Hocquenghen (Computer Code)
BADG	British Aerospace Dynamics Group	BCN	Beacon
BAE	British Aerospace	BCP	Base Condemnation Percent Benchmark Control Point
BAI	Barometric Altitude Indicator	BCR	Bar Chart Report
BAIR	Breathing Air	BCRD	Basic Consolidated Requirements Document
BAL	Balance	BCRT	Binary Code Range Time
BAMSI	Brown Association Management Services, Inc.	BCS	Bragg Crystal Spectrometer

BCSS/HETGS

	Bragg Crystal Spectrometer/High Energy Transmission Grating Spectrometer
BCT	Bus Configuration Table
BCU	Bus Control Unit
BCWP	Budget Costs for Work Performed
BCWS	Budget Costs for Work Scheduled
BD	Band Binary Decoder Binary Digit Binary Discrete Board
BDA	Backup Drive Amplifier Beacon Drive Assemblies Bermuda Island Bermuda (STDN) Blast Danger Area
BDC	Bidirectional Converter Bit Error Rate
BDCF	Baseline Data Collection Facility
BDCR	Baseline Document Change Request
BDD	Baseline Definition Document
BDT	Block Data Transfer
BDY	Body
BDYFLP	Body Flap
BECO	Booster Engine Cutoff
BER	Bit Error Rate
BESS	Biological Experiment Scientific Satellite Biomedical Experiment Scientific Satellite Biomedical Experiment Support Satellite
BEST	Booster Exhaust Study Test
BET	Best Estimate of Trajectory

BETA ANGLE

	Sideslip Angle
BEWS	Blast Environment Wave Simulator
BF	Beat Frequency Body Flap
BFC	Backup Flight Control Backup Flight Controller Body Flap Control
BFCS	Backup Flight Control System
BFL	Back Focal Length Bakersfield (TACAN Station)
BFO	Beat Frequency Oscillator
BFRP	Boron Fiber Reinforced Plastics
BFS	Backup Flight System
BFZES	Breadboard Float Zone Experiment System
BH/MP	Breather Hose/Mouthpiece
BHD	Bulkhead
BHN	Brinell Hardness Number
BHP	Brake Horsepower
BHS	Base Heat Shield
BIA	Bus Interface Adaptor
BIPROP	Bipropellant
BIO	Bio Research Module Biological Bioseparation
BIOMED	Biological Medicine (Medical)
BIOS	Biological Satellite
BIS	Biocide Injection System
BIT	Binary Digit Built-in Test
BITE	Built-in Test Equipment
BIU	Buffer Interface Unit Bus Interface Unit
BK	Back Brake
BKHD	Bulkhead

BKNO₃ Boron Potassium Nitrate
BLC Boundary Layer Coolant
BLDG Building
BLDN Blowdown
BLIMP Boundary Layer Integral Matrix
 Procedure
BLK Block
BLOW Booster-Lift-Off Weight
BLR Boiler
BLS Bottom Left Side
BLV Bleed Valve
BLWR Blower
BM Basal Metabolism
 Body Mounted
 Business (Branch) Manager
BMA Body-Mounted Accelerometer
BMAG Body-Mounted Attitude Gyro
BMAP Buffer Map
BMB Base Maintenance Building
BME Bench Maintenance Equipment
BMFT German D-1 Spacelab Payload
 West German Federal Ministry of
 Research and Technology
BMMD Body Mass Measuring Device
BMR Body Mounted Radiator
BMS Background Measurement Satellite
BMT Bearing Materials Tester
BMU Bus Monitor Unit
BN Ballistic Number
BO Bakeout
 Breakout Box
BOA Basic Ordering Agreement
 Basic Operating Agreement
BOB Best on Best
BOC Base Operations Contract
BOD Beneficial Occupancy Date
 Bright Object Detector

BOE Basis of Estimate
 Break of Entry
BOF Beginnning of File
BOI Break of Integrity
BOL Beginning of Life
BOM Beginning of Month
 Bill of Materials
BOP Baseline Operations Plan
BOPACE Boeing Plastic Analysis Capability for
 Engines
BOS Backup Operating System
 Bright Object Sensor
BOT Beginning of Tape
 BOTSWANA (STDN)
BOW Bill of Work
BP Back Pressure
 Bandpass
 Barber Pole
 Blood Pressure
 Boilerplate
BPD Baseline Program Documentation
BPI Bits Per Inch
BPM BATSE Power Module
 Beats Per Minute
BPMS Blood Pressure Measuring System
BPR Bypass Ratio
BPRC Battery Protection and Reconditioning
 Circuit
BPS Bits Per Second
BPT Body Point
BPV Biopropellant Valve
BR Biorack (Spacelab D-1 Experiment)
 Bit Rate
BRAVO Business Risk and Value of Operation
 in Space
BRCS Basic Reference Coordinate System
BRE Blood Rheology Experiment

BRES	Blood Rheology Experiment Study	Btu	British Thermal Unit
BRG	Bearing	BU	Backup
BRK	Brake	BUC	Backup Computer
BRKT	Bracket		Buckhorn, CA (GSTDN)
BRM	Biological Research Module	BUFF	Buffer
BRPM	Breath Rate Per Minute	BUOU	Backup Optical Unit
BRRS	Banana River Repeater Station	BUR	Backup Rate
BRS	Bottom Right Side	BW	Bandwidth
BRT	Bright		Biowissenschaften (Spacelab D-1 Experiment)
BS	Block Specification		Bridgewire
BSC	Brake Skid Controller	BX	Box
BDSP	Booster Stage Discharge Pressure	BY	Budget Year
BSE	Booster Systems Engineer	BYP	Bypass
BSFR	Back Surface Field Reflector	BZT	Benzotriazole
BSI	Basic Shipping Instructions Boeing Services International Inc.		
BSK	Biostack		
BSM	Booster Separation Motors		
BSMT	Bearing Seals and Materials Tester		
BSR	Basic System Release Bite Status Register		
BSRM	Booster Solid Rocket Motor		
BSS	Backup System Services		
BSSD	Ball Space Systems Division		
BSTR	Booster		
BSTRA	Ball-Strut-Tie-Rod Assembly		
BT	Burn Time (Engine)		
BTA	Booster Trowelable Ablator		
BTC	Binary Time Code Bus Tie Contractor		
BTMS	Body Temperature Measuring System		
BTR	Boom Time Remaining Burn Time Remaining Bus Transfer		
BTS	Biotelemetry System Booster Technology Simulator		
BTU	Bus Terminal Unit		

C

C	Candle	C/S	Counts Per Second
	Capacitance		Cycles Per Second
	Celsius	C/SCSC	Cost/Schedule Control Systems
	Centigrade		Criteria
	Coefficient	C/W	Carrier Wave
	Complete		Caution and Warning
	Constant	CA	California
	One Hundred		Carrier Aircraft
c	cycle		Cone Angle
C&D	Control and Display		Contingency Abort
C&DH	Command and Data Handling		Contract Award
C&DS	Command and Data Simulator		Corrective Action
C&M	Control and Monitoring	CAB	Cost Account
C&T	Communication and Tracking		Cabin
C&TSS	Communication and Tracking		Cabinet
	Subsystem		Civil Aeronautics Board
C&W	Caution and Warning		Cost Audit Board
C-BD	C-Band	CACB	Center Aisle Connector Bracket
C-Band	3,900 to 6,200 MHz	CACC	Communications and Configuration
C-C	Carbon-Carbon		Console
C-to-C	Computer-to-Computer	CACON	Cargo Container
C/C	Combustion Chamber	CAD	Computer Aided Design
C/D	Countdown	CADE	Controller/Attitude-Direct Electronics
C/F	Center Frequency	CADP	Critical Assignment Development
C/L	Checklist		Program
	Closed Loop	CADS	Command and Data Simulator
C/min	Cycles Per Minute	CADSI	Communications and Data Systems
C/O	Changeout		Integration
	Checkout	CADU	Control and Display Unit
	Contamination/Overpressure	CAE	Computer Aided Engineering
	Cutoff	CAG	Commercial Advocacy Group
C/P	Cold Plate	CAI	Computer Aided Instruction
C/R	Commutation Rate	CAIT	Computer Aided Instructional Training
		CAL	Calibrate, Calibration
			Cornell Aeronautical Laboratory
		cal	Calories
		CALC	Calculate

CALS	Computer Aided Acquisition and Logistics System		Cost Accounting Standard
CAM	Carrier Aircraft Modification Collision Avoidance Maneuver Computer Aided Manufacturing Computer Annunciation Matrix Content Addressable Memory	CASA	Computer Aided Systems Analysis
CAMR	Camera	CASB	Cost Accounting Standards Board
CAN	Certification Analysis Network	CASES	Checkout Atmospheric Science Experiment Set
CANEX	Canadian Experiments		Controls Astrophysics Structures Experiment in Space
CAP	Capacitor, Capacity CCMS Application Programs Computer Aided Productivity Computer Application Program Contractor Acquired Property Cost Account Package Crew Activity Plan	CASO	Cancellation Addendum Sales Order
CAPCOM	Capsule Communicator	CASP	CDS Application Support Programs
CAPRI	Captive Rest Ignitor	CASS	CITE Augmentation Support System
CAPS	Common Attitude Pointing System Corrective Action Problem System Crew Activity Planning System Crew Altitude Protection Suit	CAST	Casting and Solidification Technology
CAPSIM	Captive Simulation	CAT	Computer Aided Test
CAR	Certification Approval Request Configuration and Acceptance Review Corrective Action Request	CATS	Component Acceptance Test System
CARD	Constraints and Restrictions Document	CATEG	Category
CARID	Customer Acceptance Review Item Disposition	CAU	Command Acquisition Unit Command Activation Unit Customer Acquisition Unit
CARR	Customer Acceptance Readiness Review	CAUSE	Computer Aided User Oriented System Evaluation
CART	Complete and Ready for Test	CAUT	Caution
CAS	Calibrated Airspeed Command Augmentation System Control Augmentation System	CB	Center of Buoyancy Circuit Breaker Constant Bandwidth
		CB/ac	Circuit Breaker (ac only)
		CB/dc	Circuit Breaker (dc only)
		CBA	C-Band Transponder Antenna
		CBC	Closed Brayton Cycle Complete Blood Count
		CBD	Commerce Business Daily
		CBE	Connector Bracker, Experiment
		CBIL	Common and Bulk Items List
		CBP	Connector Bracket Power
		CBrF₃	Bromotrifluoromethane (Fire-Extinguishing Material)
		CBR	Configuration Budget Review
		CBS	Connector Bracket Signal Cost Breakdown Structure

CBSA	Cargo Bay Stowage Assembly	CCDS	Center for Commercial Development of Space
CBSC	Chinese Broadcasting Satellite Corporation	CCE	Charge Composition Explorer Computer Command Engineer
CBT	Computer Based Training	CCF	Converter Compressor Facility
CBV	Cabin Bleed Valve	CCFF	Cape Canaveral Forecast Facility
CBW	Constant Bandwidth	CCIM	Command Computer Input Multiplexer
CBX	C-Band Transponder	CCIR	International Radio Consultative Committee
CC	Carbon-Carbon Channel Controller Chief Counsel (KSC Directorate) Communications Control Cost Center Crew Compartment Crew(s) Certified	CCITT	Consultive Committee for International Telephone and Telegraph
CCA	Communications Carrier Assembly Contract Change Authorization Coolant Control Assembly Contract Change Authorization	CCL	Closed Circuit Loop Commonality Candidate List Configuration Control Logic
CCAFS	Cape Canaveral Air Force Station	CCM	Center Council Meeting Controlled Carrier Modulation Crew/Cargo Module
CCATS	Command, Communication, and Telemetry System (Subsystem)	CCME	Contract Change Mass Estimate
CCB	Change Control Board Configuration Change Board Configuration Control Board	CCMS	Checkout, Control, and Monitor Subsystem (LPS) Command Control and Monitor System
CCBD	Configuration Change Board Directive Configuration Control Board Directive	CCN	Contract Change Negotiation Contract Change Notice
CCBSG	Change Control Board Screening Group	CCOH	Corrosive Contaminants, Oxygen, and Humidity
CCC	Central Computer Complex Communication(s) Control Console Complex Control Center Contaminant Control Cartridge Controller Checkout Console	CCOPE	Cooperative Convective Precipitation Experiment
CCD	Charged Coupled Devices Checkout Command Decoder Configuration Control Document Constants Change Display	CCP	Center Console Panel Charge Capacitance Probe Commercial Change Proposal Computer Control Panel Configuration Change Point Configuration Control Panel Configuration Control Phase Contract Change Proposal Cost Control Program
CCDR	Contractor Critical Design Review		

CCR	Configuration Change Request Contractor Change Request Control Center Rack Corner Cube Retroreflectors	CDB	Central Data Buffer Command Data Base
CCRA	Cape Canaveral Reference Atmosphere	CDBFR	Common Data Buffer
CCRF	Consolidated Communication Recording Facility	CDC	Confined Detonating Cord Control Data Corporation Countdown Clock
CCS	Central Control Section Central Control Station Command and Communication System Command and Control Subsystem Complex Control Set Computer Core Segment Console Communication System Contamination Control System	CDCE	Cosmic Dust Collection Experiment
CCSDS	Consultive Committee for Space Data Systems	CDCR	Contractor Drawing Change Request
CCSSO	Council of Chief State School Officers	CDDF	Center Director's Discretionary Fund
CCT	Computer Compatible Tape Cost Commitment Team	CDDS	Command and Data System
CCTV	Closed Circuit Television	CDDT	Countdown Demonstration Test
CCU	Camera Control Unit Central Control Unit Communications Carrier Unit Crewman Communications Umbilical	CDF&TDS	Circuit Design, Fabrication, and Test Data Systems
CCV	Chamber Coolant Valve	CDF	Cable Distribution Frame Central Data Facility Circuit Design Fabrication Confined Detonating Fuse Cool-Down Facility
CCVA	Chamber Coolant Valve Actuator	CDH	Constant Delta Height
CCW	Counterclockwise	CDI	Course Deviation Indicator
CD	Center Director (KSC Directorate) Change Directive Coefficient of Drag Command Decoder MDM	CDM	Communications/Data Manager
cd	Candella (Luminous Intensity)	CDMS	Command and Data Management Subsystem
CDA	Command and Data Acquisition Critical Design Audit	CDN	CDR Discrepancy Notice
		CDNR	CDR Discrepancy Notice Board
		CDOS	Customer Data and Operations System
		CDP	Command Data Processor
		CDPIS	Command Data Processing and Instrumentation System
		CDQR	Critical Design and Qualification Review
		CDR	Cleaning, Decontamination Request Commander Critical Design Review
		CDRL	Contract Data Requirements List

CDRR	Component Design Requirements Review	CEDC	Cycling Error Detection Code
	Contract Documentation Requirements Records	CEI	Configuration End Item
			Contract End Item
CDS	Central Data Subsystems (LPS)	CEIAC	Coastal Engineering Information Analysis Center
	Central Data System	CEIT	Crew Equipment Integration Test
	Closeout Door System		Crew Equipment Interface Test
	Collision Detector System	CELSS	Controlled Environment and Life Support System
	Control Data Corporation	CELV	Complementary Expendable Launch Vehicle
	Control Data System		
CDSC	Communications Distribution and Switching Center	CEP	Circular Error Probable
CDT	Central Daylight Time	CEQ	Council on Environmental Quality
	Command Descriptor Table	CER	Cost Estimating Relationship
	Compressed Data Tape	CERT	Certification
	Configuration Data Table	CERV	Crew Emergency Return Vehicle
	Countdown Time	CES	Control Electronics System
CDU	Computer Display Unit		Crew Escape System
	Control and Display Unit	CESC	Canadian Space Agency Engineering Support Center
	Coupling Data Unit	CETA	Crew and Equipment Translation Aid
	Coupling Display Unit	CETF	Critical Evaluation Task Force
	CRT Display Unit	CEU	Control Electronics Unit
CDW	Command Data Word	CF	Carrier Frequency
	Computer Data Word		Center Forward
CE	Change Evaluation		Centrifugal Force
	Civil Engineering	CFD	Computational Fluid Dynamics
	Control Element		Continuous Flow Diffusion
	Cost Element		Converter, Frequency to dc Voltage
	Current Expendable	CFE	Contractor Furnished Equipment
CE&IS	Combined Elements and Integration Systems	CFES	Continuous Flow Electrophoresis System
CEA	Control Electronics Assembly (for MMU)	CFI	Card Format Identifier
CEC	Control Electronics Container	CFLSE	Critical Fluid Light Scattering Experiment
	Control Encoder Coupler	CFM	Customer Furnished Material
CECP	Compatibility Engineering Change Proposal	CFMF	Crip Flow Management Facility

CFP	Conceptual Flight Profile	CHUTE	Parachute
CFR	Code Federal Regulation	CHX	Cabin Heat Exchanger
CFRP	Carbon Fiber Reinforced Plastics	CI	Certification Inspection
CFSTI	Clearinghouse for Scientific and Technical Information (now NTIS)		Color Interior Film
CFT	Common Facilities Test		Configuration Inspection
CFU	Colony Forming Unit		Configuration Item
CFY	Company Fiscal Year		Continuous Interlock
CG	Center of Gravity		Crew Interface
CGAU	Cabin Gas Analysis Unit	CIA	Control Interface Assembly
CGC	Command Guidance Computer	CIAP	Climatic Impact Assessment Program
CGCD	Crossed Grid Charge Detector	CIB	Change Impact Board
CGF	Crystal Growth Furnace		Change Implementation Board
CGG	Contingency Gravity Gradient	CIC	Command Interface Control
CGP	Central Grounding Point		Continuing Improvement Council
CGSS	Cryogenic Gas Storage Subsystem		Control and Information Center
CH	Channel		Crew Interface Coordinator
CH₄	Methane	CICA	Competition in Contracting Act
CHAMP	Comet Halley Active Monitoring Program	CIC C	Cargo Integration Control Center
CHAN	Channel	CIC U	Computer Interface Conditioning Unit
CHAR	Character		Computer Interface Control Unit
CHASE	Coronal Helium Abundance Spacelab Experiment	CID	Charge Injection Device
CHCS	Cabin Humidity Control Subsystem		Computer Interface Device
CHeCS	Crew Health Care System	CIDL	Configuration Item Data List
CHG	Change	CIDR	Critical Intermediate Design Review
	Charge	CIE	Communications Interface Equipment
CHGR	Charger		Communications Interface Coordinator
CHL	Certified Hardware List		Computer Interface Electronics
	Channel	CIF	Central Instrumentation Facility
CHMBR	Chamber	CIFS	Critical Initial Flaw Size
CHR	Cooper-Harper Rating	CIG	Cable Integrity Group
CHROMEX			Communications and Interface Group
	Chromosome and Plant Cell Division in Space	CIL	Critical Items List
CHS	Collimated Hole Structure	CIM	Computer Input Multiplexer
		CIN	Center Information Network
			Change Identification Number
		CINDAS	Center for Information and Numerical Data Analysis and Synthesis

CIP	Coordinated Instrument Package Customer Integration Panel	CL	Centerline Close (Closed)
CIR	Cargo Integration Review Change Incorporation Record Circle Circulate Configuration Inspection Report		Closed Loop Closed Loop Control Logic Cluster Coefficient of Lift Commonality List
CIRC	Circularization Burn, OMS2	Class	Classification
CIRCUM	Circumference	CLC	Change Letter Control Critical Load Cycle
CIRHS	Critical Items and Residual Hazards List	CLDST	Closed Loop Dynamic Stability Test
CIRRIIS	Cryogenic Infrared Radiance Instrument for Shuttle	CLG	Ceiling
CIS	Central Integration Site Change Impact Summary Communication Interface System Component Identification Sheet Contractor's Information Submittal Customer Information System	CLIP	Combined Laser Instrumentation Package
CISS	Centaur Integrated Support Structure	CLM	Care Logic Module
CIT	Critical Item Tag	CLMC	Central Logistics Management Center
CITE	Cargo Integration Test Equipment	CLNR	Cleaner
CIU	Computer Interface Unit Communications Interface Unit Controller Interface Unit	CLOC	Canadian Logistics Operation Center
CIV	Critical Ionization Velocity	CLR	Clear
CIVT	Cargo Interface Verification Test	CLRB	Cost Limit Review Board
CJC	Cold Junction Compensator	CLS	Contingency Landing Site(s)
CK	Check	CLSO	Contingency Landing Support Officer
CKAFS	Cape Kennedy Air Force Station (Changed to CCAFS)	CLT	Closed Loop Test
CKPT	Checkpoint	CLUSTER	International Solar Terrestrial Physics Program
CKRA	Cape Kennedy Reference Atmosphere (Changed to CCRA)	CM	Cargo Management Center of Mass Common Module Configuration Management Consumables Management Control Monitor Crew Module
CKS	Checks	cm	Centimeter
CKT	Circuit	CM&S	Communications Maintenance and Storage
		CMA	Configuration Management Accounting Cylindrical Mirror Assembly

CMACS	Central Monitor and Control System	CMTF	Canadian Mockup and Training Facility
CMAO	Contract Management Assistance Officer	CMTS	Computerized Maintenance Test System
CMAT	Compatible Materials (List)	CMV	Common Mode Voltage
CMC	Crew Module Computer Command Module Computer	CN	Change Notice
CMD	Command Contamination Monitor Package	CNCR	Characterization of Neurospora Circadian Rhythms
CMD DCDR	Command Decoder	CNDS	Condensate
CME	Cryogen Management Electronics	CNP	Canoga Park
CMF	Command Management Facility	CNRL	Communications and Navigation Research Laboratory
CMG	Control Moment Gyro Control Momentum Gyroscope	CNS	Computer Network System
CMIF	Core Module Integration Facility	CNSL	Console
CMIS	Core Module Integration Simulator	CNTL	Control
CMM	Condition Monitored Maintenance	CNTLR	Controller
CMN	Crewman	CNTR	Counter
CMO	Configuration Management Office	CNTRL	Control Controller
CMOS	Complementary Metal Oxide Silicon	CNWDI	Critical Nuclear Weapons Design Information
CMP	Configuration Management Panel Configuration Management Plan	CO	Cargo Operations (KSC Directorate) Change Order Checkout Contracting Officer Cutoff
CMPR	Compare	CO₂	Carbon Dioxide
CMPRT	Compartment	COA	Center Operations Area
CMPTD	Computed	COAS	Course Optical Alignment Sight Crew(man) Optical Alignment Sight
CMPTR	Computer	COAX	Coaxial, Coaxial Cable
CMPTR ACTY	Computer Activity	COB	Close of Business Communications Office Building
CMR	Center Materials Representative	COBE	Cosmic Background Explorer
CMRB	Contractor Material Review Board	COBOL	Common Business Oriented Language
CMRR	Common Mode Rejection Ratio	COC	Certification of Compliance Close-Open-Close
CMS-2	Cambridge Monitoring System (IBM Computer Program)	COD	Center Operations Directorate (JSC)
CMS	Command Management System		
CMSI	Checkout/Control and Monitor Subsystem Interface		
CMT	Crew Maintenance Time		

COE Corps of Engineers
C of F Construction of Facilities
Cost of Facilities
COFI Checkout and Fault Isolation (on Board)
COFR Certificate of Flight Readiness
COFW Certificate of Flight Worthiness
COI Coast Orbital Insertion
Composite Optics, Inc.
COIM Checkout Interpreter (Software) Module
COL Checkout Language
COLD-SAT Cryogenic on Orbit Liquid Depot-Storage, Acquisition, Transfer
COLM Column
COM Common, Commonality
Computer Output Microfiche
COM-M Common Mode
COMAS Combined Orbital Maneuvering and Abort System
COMAT Compatibility of Materials
COMB Combustion
COMEC Communications Security
COMEDS Continental U.S. Meteorological Data System
COMM Communications
COMMAND Computer Command Engineer
COMP Compass
Compensate
Component
Computation of Rendezvous Targeting
Computer
COMPEN Compensator
COMPL Completed
COMPOOL Common Data Pool
COMPR Compress, Compressor

COMPT Compartment
COMR&DSAT Communication Research and Development Satellite
COMSAT Communications Satellite
COMSEC Communications Security
COMTEL Compton Telescope
CON Contact
CONCN Concentration
COND Condenser
Condition, Conditioner
CONDR Conditioner
CONF Conference
CONFIG Configuration
CONN Connect, Connector
CONS Console
CONSTR Construct, Construction
CONT Container
Contingency
Continue, Continued, Continuous
CONTAM Contaminate
CONTIG Contiguous
CONTR Control, Controller
CONUS Continental United States
CONV Converter
COOP Cooperative
COORD Coordinate
COP Contingency Operations Plan
Co-orbiting Platform
COQ Certificate of Qualification
COR Contracting Officer Representative
CORE Common Operational Research Equipment
COS Carry-on Oxygen System
Console Operating System
Co-orbiting Satellite
Cosine

COSATI	Committee on Scientific and Technical Information	CPCI	Computer Program Change Instruction Computer Program Configuration Item
COSI	Closeout System Installation	CPCL	Computer Program Change Library Computer Program Control Library
COSMIC	Coherent Optical System of Modular Imaging Collectors	CPCR	Computer Program Change Request Crew Procedures Change Request (Form 482)
COSPAR	Committee on Space Research	CPD	Converter, Pulse to dc Voltage Crew Passive Dosimeter Crew Procedures Division
COSS	Centaur Operations at the Space Station	CPDDS	Computer Program Detail Design Specification
COSTA	Cost Accounting (Code)	CPDR	Contractor's Preliminary Design Review
COTR	Contracting Officer's Technical Representative	CPDS	Computer Program Design (or Development) Specification Crew Procedures Documentation System
COTS	Commercial Off the Shelf	CPE	Change Package Engineer Chief Program Engineer Continuous Particle Electrophoresis
COV	Cutoff Valve	CPEI	Computer Program End Item
CP	Candle Power Cargo Program Office (KSC) Cargo Projects Office (KSC) Center of Pressure Chemically Pure Circular Pitch Cold Plate Console Processor Control Panel Control Point	CPES	Crew Procedures Evaluation (Evaluator) Simulator
CP-DPO	Deployable Payloads Projects Office (KSC)	CPF	Cargo Processing Facility Central Processing Facility Cost Per Flight
CP-FEO	Cargo Facilities and GSE Projects Office (KSC)	CPFF	Cost Plus Fixed Fee
CP-PCO	Cargo Projects-Program Control Office	CPG	Change Planning Group
CP-SPO	Spacelab Projects Office (KSC)	CPI	Cost Performance Index Cross Pointer Indicator
CPA	Contingency Planning Aid Critical Path Analysis	CPIF	Cost Plus Incentive Fee
CPAF	Cost Plus Award Fee	CPL	Capillary Pump Loop Couple
CPC	Central Planning Center Characteristics Properties Code Computer Program Component	CPLT	Complete
CPCB	Crew Procedures Control Board		
CPCEI	Computer Program Contract End Item		

CPM	Computer Program Module Critical Path Method Cycles Per Minute (c/min preferred)	CRES	Corrosion Resistant Steel
CPMP	Crew Procedures Management Plan	CRG	Change Review Group Correspondence Review Group
CPP	Competitive Placement Plan	CRIS	Calibration Recall and Information System
CPR	Critical Problem Report	CRISP	Computer Resources Integrated Support Plan
CPS	Canadian Payload Specialist Cycles Per Second (c/s preferred)	CRISTA	Cryogenic Infrared Spectrometers and Telescopes for Atmosphere
CPSE	Common Payload Support Equipment	CRIT	Critical
CPSS	Cold Plate Support Structure Critical Phase System Software	CRM	Chemical Release Module
CPT	Cargo Processing Technician Computer Program Tapes	CRMD	Computer Resources Management Data
CPU	Central Processing Unit Computer Printer Unit	CRN	Cable Routing Rotation Contract Revision Number Cosmic Ray Nuclei Experiment
CQCM	Cryogenic Quartz Crystal Microbalance	CRNE	Cosmic Ray Nuclei Experiment
CQDR	Critical Qualification Design Review	CRO	Cathode Ray Oscillograph(s) or Oscilloscopes
CR	Card Reader Certification Requirement Change Request Configuration Review Control Room Crew	CRP	Configuration Requirements Processing
CR&T	Command, Ranging, and Telemetry	CRPL	Cosmic Ray Physics Laboratory
CR/DIR	Change Request Directive	CRR	Computer Run Report Critical Requirements Review
CRAF	Comet Rendezvous Asteroid Flyby	CRRES	Combined Release and Radiation Effects Satellite
CRAS	Cost Reduction Alternative Study	CRRF	Cosmic Ray Radiation Facility
CRB	Change Review Board	CRS	CO ₂ Reduction Subsystem Course Cross
CRBD	Change Review Board Directive	CRSFD	Crossfeed
CRC	Contractor Recommended Code Cost Reduction Curve	CRSI	Ceramic Reusable Surface Insulation
CRD	Change Request Disposition	CRSS	Critical Resolved Shear Stress
CRDG	Contamination Requirements Definition Group	CRSVR	Crossover
CRDP	Computer Resources Development Plan	CRT	Cathode-Ray Tube
		CRTG	Cartridge
		CRU	Catalytic Research Unit

CRW	Control Read/Write	CSDL	Charles Stark Draper Laboratory (MIT)
CRYO	Cryogenic	CSDT	Computer Software Data Tapes
CRYT	Cryogen Tank	CSE	Catalytic Surface Effects Experiment Common Support Equipment Communications Systems Engineer Computer Support Equipment Configuration Switching Equipment
CS	Change Status Checkout Station Common Set Communications System Consumables Status Control Segment Core Segment Crew Station STS Cargo Operations (KSC Directorate) Spacelab Operations Directorate	CSF	Central Supply Facility Cost Sensitivity Factor
CSA	Canadian Space Agency Cyclic Strain Attenuator	CSI	Coelliptic Sequence Initiation Controls-Structures Interactions Control Servo Input Crew Software Interface
CSAA	Committee on Space Astronomy and Astrophysics	CSIR	Computer Systems (Hardware/Soft- ware) Integration Review
CSAM	Crinkled Single Aluminized Mylar	CSIU	Core Segment Interface Unit
CSAS	Computerized Status Accounting System	CSL	Command Signal Limiter Computer Status Lights Crew Systems Laboratory
CSAT	Combined Systems Acceptance Test	CSM	Command Service Module Common Support Module Computer Status Matrix
CSC	Computer Sciences Corporation Conical Shaped Charge Contingency Support Center (CCAFS) Cosecant Computing Amplifier	CSOC	Consolidated Space Operations Center
CSCB	Contractor's Summary Cost Breakdown	CSOP	Crew Systems Operating Procedures
CSCSAT	Commercial Synchronous Communica- tion Satellite	CSP	Computer Support Program
CSD	Chemical Systems Division Control System Development Crew Systems Division	CSPU	Core Segment Processing Unit
CSDD	Control Systems Development Division (JSC)	CSR	Certification Status Report Check Signal Return Crew Station Review
CSDF	Central Source Data File	CSRP	Computers and Software Review Panel
		CSR	Crew Station Review
		CSS	Computer Subsystem Control Stick Steering Core Segment Simulator
		CSSA	Coarse Sun Sensor Assembly
		CSSE	Control System Simulation Equipment

CST	Central Standard Time (c.s.t. preferred) Combined Systems Test Contract Supplemental Tooling Crew Station Trainer Crew Systems Trainer (One-G Trainer)	CTS	Call to Stations Canadian Technology Satellite Communications and Tracking System Computer Test Set Computerized Training System Coordinate Transformation System
CSTA	Crew Software Training Aid	CTSD	Computer Test Sequences Document
CSTC	Consolidated Space Test Center	CTTB	Checkout Techniques Test-Bed
CSTR	Canister	CTU	Central Timing Unit
CSTS	Cryogenic Storage and Transfer System	CTWT	Counterweight
CT	Crawler Transporter Cupola Trainer Current Transformer	CU	Control Unit
CTA	Computer Technology Associates (GSFC) Controlled Thrust Assembly	cu	Cubic
CTC	Camera, Timing, and Control Chief Test Conductor	CUB	Commonality Usage Board
CTE	Central Timing Equipment	CUC	Computer Usage Control
CTI	Critical Transportation Item	CUDS	Cumulative Data Statistics
CTIS	Crawler Transporter Intercom System	CUE	Common Usage Equipment
CTL	Canoga Test Laboratory Central or Control	CUF	Cross Utilization File
CTM	Contract Technical Manager Crystalline Transitional Material	CUIL	Common Usage Item List
CTN	Certification Test Network	CUM	Cumulative
CTP	Communications Timing Procedure Cyclic Time Processor	CUP	Commonality Usage Proposal
CTPD	Crew Training and Procedures Division (JSC)	CV	Check Valve Coefficient of Variation Deployable Payloads Operation (KSC CO Dir.) Expendable Vehicles Operations (KSC Directorate)
CTR	Contract Technical Representative	CVAD	Converter, Voltage, ac to dc
CTRS	Component Test Requirements Specifications	CVAS	Configuration Verification Accounting System
		CVDA	Converter, Voltage Discrete, ac
		CVE	Computer Vehicle Erector
		CVM	Control Valve Module
		CVR	Change Verification Record Configuration Verification Review
		CVRD	Converter, Variable Resistance, to dc Voltage

CVT	Chemical Vapor Transport
	Communications Vector Table
	Concept Verification Testing
CVTE	Chemical Vapor Transport Equipment
CW	Clockwise
	Command Word
	Continuous Wave
CWA	Caution and Warning Annunciator
	Clean Work Area
	Conference Work Area
	Controlled Work Area
CWE	Caution and Warning Electronics
CWEA	Caution and Warning Electronic
	Assembly
CWEU	Caution and Warning Electronics Unit
CWFSP	Caution and Warning/Fire Suppression
	Panel
CWG	Constant Wear Garment
CWLM	Caution and Warning Limit Module
CWS	Caution and Warning Status
	Caution and Warning System
CWSU	Caution and Warning Status Unit
	Condensate Water Servicing Unit
CX	Color Exterior Film
CY	Calendar Year
	Cycle
CYL	Cylinder

D

D	Deck	DACS	Data Acquisition and Control System
	Deliver (Delivery)		Digital Acquisition and Control System
	Delta	DACT	Disposable Absorption Collection Trunk
	Down	DADE	Data Acquisition and Decommuration Equipment
	Drag	DADS	Data Archive and Distribution System
D&C	Display and Control (C&D preferred)		Dual Air Density Satellite
D&CS	Display and Controls Subsystem	DAE	Dual Acquisition Equipment
D&O	Description and Operations		Dynamic Augmentation Experiment
D&P	Drain and Purge	DAF	Data Acquisition Facility
D&PD	Definition and Preliminary Design		Data Analysis Facility
D&PS	Design and Performance Specification	DAFT	Data Acquisition Frequency Table
D&R	Definition and Requirement	DAIS	Data Avionics Information System
D/A	Digital to Analog	DAL	Data Accession List
D/C	Displays/Controls		Data Acquisition List
D/L	Data Link		Data Aided Loop
	Deorbit/Landing	DAM	Double Aluminized Mylar
	Downlink		Driver Amplifier Module
	Downlist	DAP	Data Acquisition Plan
D/S	Downstream		Digital Autopilot
D/VD	Data/Voice Data	DAR	Data Aided Review
DA	Data Acquisition		Deviation Approval Request
	Deployment Assembly		Digital Autopilot Requirements
	Distribution Assembly		Drawing Analysis Record
	Double Amplitude	DARPA	Defense Advanced Research Projects Agency
DA&D	Data Acquisition and Distribution	DARS	Data Acquisition and Reduction System
DAB	Data Acquisition Bus	DARTS	Digital Automated Radar Tracking System
DABS	Discrete Address Beacon System	DAS	Data Acquisition System
DAC	Data Acquisition and Control		Data Analysis Station
	Data Acquisition Camera		Digital Address System
	Digital to Analog Converter		Digital Avionics System
	Digital to Analytical Conversion		Documentation Accountability Sheet
DACB	Data Acquisition and Control Buffer	DASA	Dual Aerosurface Servo Amplifier
DACBU	Data Acquisition and Control Buffer Unit		

DATE	Dynamics, Acoustics, and Thermal Environment Experiment	dBW	Decibels Referred to 1 Watt
DAU	Data Acquisition Unit Digital Adapter Unit	DC	Data Coordinator Development-Center Display Coupler
DAV	Data Available	dc	Direct Current
DAVL	Data Available-Low	DCA	Defense Communication Agency Design Change Authorization Digital Command Assembly Distribution Control Agency
DB	Data Base Data Bus Deadband Design Baseline Distribution Box Dry Bulb	DCAA	Defense Contract Audit Agency
dB	Decibel	DCAR	Design Corrective Action Report
DBC	Data Bus Control Data Bus Coupler	DCAS	Data Collection and Analysis System Defense Contract Administration Services
DBCI	DB With Respect to a Circular Polarized Antenna	DCC	Data Computation Complex Document Control Center
DBE	Data Bus Element Droplet Burning Experiment	DCCU	Digital Command and Control Unit Digital Communications and Control Unit Display Computer Control Unit
DBFN	Data Base File Number Data Bus File Number	DCE	Drop Combustion Experiment
DBG	Data Bus Group	DCIB	Data Communication Input Buffer
DBGMP	Data Bus Generation and Maintenance Package	DCIM/DSCIM	Display System Computer Input Multiplexer
DBI	Data Bus Interface Unit-Launch	DCIU	Digital Control and Interface Unit
DBIA	Data Bus Interface Adapter Data Bus Isolation Amplifier	DCKNG	Docking
DBIU	Data Bus Interface Unit	DCL	Document Change List
DBL	Double	DCM	DECOM Control Memory Direction Cosine Matrix Display and Control Module
DBM	Data Base Management	DCMB	Development Configuration Management Board
dBm	Decibels Referred to 1 Milliwatt	DCN	Design Change Notice Document Change Notice Drawing Change Notice
DBN	Data Bus Network	DCNP	Document Change Notice Proposal
DBP	Design Baseline Program		
DBRN	Data Bank Release Notice		
DBS	Data Base System		
DBUR	Data Bank Update Request		
DBW	Data Bus Wire		

DCO	Detailed Checkout	DD&CS	Dedicated Display and Control Subsystem
DCOP	Detailed Checkout Procedures Displays, Controls, and Operations Procedures	DD/HH:MM:SS	Day/Hour:Minute:Second
DCP	Data Collection Platform Depot Condemnation Percent DEU Control Program Development Cost Plan	DDA	Digital Differential Analyzer ICD Departure Authorization
DCPEI	DEU Control Program End Item	DDAS	Digital Data Acquisition System
DCR	Design Certification Review Design Change Request Design Concern Report Design Criteria Review Document Change Record (or Review)	DDC	Data Distribution Center Defense Documentation Center Digital Data Cell
DCS	Data Communication System Data Control System Design Communication System Design Criteria Specification Detail Checkout Specification(s) Digital Command System (Subsystem) Display and Control System Document Control System Dual Checkout Station	DDD	Design Definition Document Display Decoder Drive
DCSI	Data and Control Signal Interface	DDDL	Digital Data Downlink
DCSP	Digital Control Signal Processor	DDDU	Digital Decoder Driver Unit
DCSU	Digital Computer Switching Unit	DDI	Dedicated Display Indicator Discrete Data Input Discrete Digital Input
DCU	Digital Computer Unit Display and Control Unit	DDIS	Data Depository Index System
DCV	Direct Current Volts	DDL	Data Downlink Dedicated Discipline Laboratory
DD	Data Depository Data Display Decoder Driver Dedicated Displays Directives Documentation Mechanical and Facilities Engineering (KSC DE Dir.)	DDM	Data Display Module Data Display Monitoring Discrete Data Management Drop Dynamics Module
		DDMS	DOD Manager for Space Shuttle Support
		DDO	Discrete Digital Output
		DDP	Design Development Plan Digital Data Processing (Processor)
		DDPC	Digital Data Processing Center (Complex)
		DDPF	Dedicated Display Processing Function
		DDPS	Digital Data Processing System
		DDR	Data Discrepancy Report Design Development Record Detail Design Review

DDS	Data Display System	DELTA-T	Difference in Temperature
	Detailed Design Specification	DEMOC	Demodulate, Demodulator
	Documentation Distribution System	DEMS	Dynamics Environment Measurement System
DDT&E	Design, Development, Test, and Engineering/Evaluation (Flights)	DEMUX	Demultiplexer
	Design, Development, Test, and Evaluation	DEORB	Deorbit
		DEPL	Deploy
DDTF	Dynamic Docking Test Facility	DEPRESS	Depressurize
DDTS	Dynamic Docking Test System	DEPT	Department
DDU	Data Display Unit	DER	Drawing Error Report
	Decommutator Distribution Unit	DERIGID	Derigidize
	Display Driver Unit	DES	Data Exchange System
DDU-KB	Data Display Unit and Keyboard		Descend, Descent
DE	Design Engineering (KSC Dir.)		Design
	Doppler Extractor	DESAT	Desaturated
	Dynamics Explorer	DESC	Descent
DEACT	Deactivate	DESIG	Designate
DEC	Declination	DESPOT	Design Performance Optimization
DECL	Direct Energy Conversion Laboratory (JSC)	DEST	Destination
DECOM	Decommutate, Decommutator	DET	Detail
DECR	Decrease		Detent
DECS	Civil Engineering Office at Vandenberg		Digital Event Timer
DECU	Data Exchange Control Unit	DETN	Detection
DED	Dedicate, Dedicated	DETR	Detector
DEDA	Data Entry and Display Assembly	DEU	Display Electronic(s) Unit
DEE	Digital Events Evaluator	DEV	Develop, Development
DEF	Definition	DEVN	Deviation
DEFL	Deflect	DEW	Distant Early Warning
DEG	Degree	DF	Development Flight
DEI	Design Engineering Identification		Development-Forward
DEIS	Design Engineering Inspection Simulation		Direction Finder (Finding)
	Design Evaluation Inspection Simulator		Disassembly Facility
			Project Management (KSC DE Dir.)
DEL	Deliver, Delivery	DF-SPE-A	Shuttle Project Engineering Office
	Deorbit, Entry, and Landing	DFCS	Digital Flight Control Software (System)

DFE	Data Flow Engineer Direction Finding Equipment	DIGI	Digital
DFG	Display Format Generator	DIH	Discrete Input High
DFI	Development Flight Instrumentation Discrete Input High	DIL	Deliverable Items List Discrete Input Low
DFRC	Hugh L. Dryden Flight Research Center	DIM	Design Interface Meeting
DFR	Defrost	DIMEN	Dimension
DFRN	Differential Differential Velocity	DIP	Designated Inspection Point Display Input Processor Display Interface Processing (Processor)
DFRN PRESS	Differential Pressure	DIPEC	Defense Industrial Plant Equipment Center
DFS	Directional Finding System Dynamic Flight Simulator	DIPL	Display Initial Program Load
DFVLR	Deutsche Forschungs-und Versuch- sanstalt Fur Luft-und Raumfahrt Federal German Aerospace Research Establishment	DIR	Direct Document Information Record
DG	Display Generator	DIRM	Data Item Responsibility Matrix
DH	Decision Height	DIS	Disagree Documentation Index System
DHA	Design Hazards Analysis	DISAP	Disapproved
DHE	Data Handling Electronics	DISASSY	Disassembly
DHS	Discrete Horizon Sensor	DISC	Discone Disconnect Discrete
DI	Data Integrator Development Integration Discrete Input Display Interface Display Interface Processor (Software Functional Element)	DISCH	Discharge
DIA	Diameter	DISENG	Disengage
DIAG	Diagonal	DISP	Dispenser Display Display Functions
DIAGN	Diagnose	DIST	Distribution
DIDS	Defense Integrated Data System	DISTR	Distributor
DIF	Difference Discrete Increment Filter	DIT	Data Id Table Dynamic Integrated Test
DIFF	Differential	DITFAC	Development, Integration, and Test Facility
DIG	Digital Image Generation	DIU	Data Interface Unit Digital Interface Unit
		DIV	Division

DK	Deck Display/Keyboard Docking	DMIA	Dual Multiplexer Interface Adapter
DKR	Dakar, Senegal	DMIS	Data Management Information System
DL	Development-Left Downlink Electronics Engineering (KSC DE Dir.)	DML	Developmental Instrumentation MDM-Left
DLAT	Destructive Lot Acceptance Testing	DMON	Discrete Monitoring
DLC	Direct Lift Control	DMOS	Diffusive Mixing of Organic Solutions
DLIM	Delimiter	DMP	Deployable Maintenance Platform DEU Message Processor Dump
DLS	Doppler Lidar System Dynamic Load Simulator	DMR	Developmental Instrumentation MDM-Right
DLSC	Defense Logistics Service Center	DMRS	Data Base Management and Retrieval System
DLSM	Data Link Summary Message	DMS	Data Management System Docking Mechanism System (Subsystem) Docking Module Subsystem Dynamic Motion Simulator
DLTR	Data Link Terminal Repeater Data Link Transmission Repeater	DMSP	Defense Meteorological Satellite Program
DLY	Delay	DMSS	Data Management System Simulator (CVT)
DM	Data Manager Development Motor Developmental Instrumentation MDM-Mid Disassembly Manual Docking Mechanism Document, Documentation	DMU	Data Management Unit
DM&O	Data Management and Operations	DN	Discrepancy Notice Down
DMA	Direct Memory Access Direct Memory Address Drive Motor Assembly	DNA	Does Not Apply
DMC	Data Management Computer Data Management Controller Data Management Coordinator Direct Maintenance Cost	DNLK	Downlink (D/L preferred)
DMCF	Deservicing, Maintenance, and Checkout Facility	DNLT	Downlist
DMD	Dextrous Manipulator Demonstration	DNO	Descending Node Orbit
DME	Distance Measuring Equipment	DNP	Dynamic Nuclear Polarization
DMG	Data Management Group	DO	Discrete Output
		DOA	Department of Agriculture
		DOB	Date of Birth
		DOC	Department of Commerce Discipline Operations Center Document, Documentation
		DOCS	Data Operations Control System

DOD	Department of Defense Depth of Discharge	DPA	Data Processing Assembly Destructive Physical Analysis
DOD-STP	Department of Defense–Standard Satellite	DPD	Data Procurement Document
DODD	Department of Defense Directive	DPF	Differential Pressure Feedback Dynamic Pressure Feedback
DOE	Department of Energy	DPI	Detail Program Interrelationships
DOF	Degree-of-Freedom Direction of Flight	DPLR	Doppler
DOH	Discrete Output High	DPM	Drop Physics Module Dual Port Memory
DOI	Descent Orbit Insertion	DPNL	Distribution Panel
DOL	Department of Labor Discrete Output Low	DPP	Deployment Pointing Panels
DOMSAT	Domestic Satellite	DPPS	Department of Defense (DOD) Project Specification
DOP	Detailed Observing Plan Diver Operated Plug	DPR	Definition Phase Review
DOS	Disk Operating System	DPS	Data Processing and Software Data Processing Software System Data Processing System (Subsystem)
DOSIM	Dosimeter	DPT	Design Proof Test
DOT	Department of Transportation Deployment Operations Team	DPY	Deploy
DOT/CIAP	DOT Climatic Impact Assessment Program	DR	Data Requirement Dead Reckoning Design Review Development-Right Discrepancy Report Discrete Register Dispatch Reliability Disposition Record Door Drive
DOV	Director of Orbital Verification	DR&A	Data Requirements and Analysis
DOY	Day of Year	DRA	Document Release Authorization
DP	Data Package Data Processing Delayed Procurement Deployable Payload Design Proof Development Phase Differential Pressure Double Pole Double Precision	DRB	Design Requirements Baseline Design Review Board
DP&S	Data Processing and Software	DRC	Data Reduction Center Discrete Rate Command
DP&SS	Data Processing and Software Subsystem		
DP/DT	Delta Pressure/Delta Time		

DRD	Data Requirement Description Data Requirements Document Detailed Requirements Document Document Requirement Description	DSB	Document Status Bulletin Double Side Band
DRF	Data Request Form Digital, Radio Frequency Documentation Requisition Form	DSC	Data Separator Card Dedicated Signal Conditioner
DRG	Digital Ranging Generator	DSCRM	Discriminator
DRI	Data Rate Indicator	DSCS	Defense Satellite Communications System
DRIRU	Dry Rotor Inertial Reference Unit	DSDU	Data Storage Distribution Unit
DRK	Display Request Keyboard	DSE	Data Storage Equipment Data System Experiment
DRL	Data Requirements List Document Requirements List	DSEA	Data Storage Electronics Assembly
DRM	Data Records Management Design Reference Mission Drawing Requirements Manual	DSI	Defense Systems Incorporated
DRN	Drain	DSIF	Deep Space Instrumentation Facility
DRO	Document Release Order	DSKY	Display Keyboard
DROG	Drogue	DSM	Data System Manager
DROP	Dynamics of Rotating and Oscillating Free Drops	DSN	Deep Space Network
DRR	Data Recorder/Reproducer Design Requirements Review	DSO	Detailed Secondary Objectives Detailed Supplementary Objectives
DRS	Data Relay Satellite Data Relay Station Digital Range Safety	DSP	Defense Support Program
DRSS	Discrepancy Report Squawk Sheet	DSPL	Display
DRT	Design Reference Timeline	DSPM	Designated Subsystems Project Manager
DRUC	Disposition Record Unsatisfactory Condition	DSS	Data Systems Supervisor Deep Space Station Department Summary Schedule Documentation Support Services
DS	Data Storage Directional Solidification	DSSM	Dedicated Solar Sortie Mission
DS&R	Data Storage and Retrieval	DST	Dimensional Special Tooling Dynamic Stability Test
DSA	Defense Supply Agency	DSTF	Delta Spin Test Facility
DSAD	Data Systems and Analysis Directorate (JSC)	DSTP	Data System Technology Program
		DSUWG	Data System Users Working Group
		DSW	Door Switch
		DT	Delayed Time Digital Test Measurement System Drop Tank

DTA	Development Test Article Differential Thermal Arrest	DVS	Design Verification Specification Digital Voice System
DTC	Design to Cost	DVT	Design Verification Testing Development Verification Test
DTCS	Digital Test Command System	DW	Data Word
DTCW	Data Transfer Command Word	DWG	Drawing
DTE	Data Transmission Equipment Digital Television Equipment	DWI	Data Word In
DTF	Development Test Flight	DWS	Disaster Warning Satellite
DTI	Development Test Instrumentation	DWV	Dielectric Withstanding Voltage
DTM	Digital Transient Model	DY	Deputy Director (KSC Directorate)
DTMO	Development, Test, and Mission Operations Digital Test Measurement System	DYN	Dynamic
DTMS	Development, Test, and Mission Support (DTMO) Digital Test Measurement System Digital Test Monitoring System	DXS	Diffuse X-Ray Spectrometer
DTO	Detailed Test Objective		
DTP	Detail Test Plan		
DTPR	Detailed Test Procedures		
DTRD	Development Test Requirements Document		
DTS	Data Transfer System Data Transmission System		
DTV	Development Test Vehicle		
DU	Display Unit		
DUA	Digital Uplink Assembly		
DUC	Digital Uplink Command		
DUM	Dummy		
DUPLX	Duplex		
DUPLXR	Duplexer		
DUR	Duration		
DV	Designated Verification Designee for Verification		
DVD	Delta Velocity Display		
DVM	Digital Voltmeter		

E

E	East
	Elevation Angle
	Engine
	Exempt (From Traceability)
E&D	Engineering and Development
	Engineering and Development Directorate (JSC)
E&I	Electrical and Instrumentation
E&OO	Engineering and Operations Office
E-E	End-to-End
E-P	Electron/Proton
E/C	Encoder/Coupler
E/L	Entry/Landing
E/M	Engineering Model
E/O	Engineering/Operations
E/O-IMS	E/O-Information Management System
E/W	Energy to Weight Ratio
EA	Each
	Electronic Assembly
EAC	Energy Absorbing Capacity
	Estimate at Completion
	Experiment Apparatus Container
EAD	Electrically Alterable Device
EADI	Electronic Attitude Director Indicator
EADS	Engineering Analysis and Data System
EAFB	Edwards Air Force Base
	Eglin Air Force Base
	Ellington Air Force Base
EAM	Electrical Accounting Machine
EAP	Employee Assistance Program
EAR	Engineering Analysis Report
EAS	Equivalent Air Speed

EASE	Experiment Assembly of Structures in Extravehicular Activity
EAT	Environmental Acceptance Test
EB	Electronic Beam
	Emergency Box
EBC	Emulated Buffer Computer
EBCDC	Extended Binary Coded Decimal
EBD	Eyeballs Down (+GZ)
EBI	Eyeballs In (+GX)
EBL	Eyeballs Left (+GY)
EBO	Eyeballs Out (-GX)
EBR	Eyeballs Right (-GY)
EBS	Emergency Breathing Subsystem
EBU	Eyeballs Up (-GZ)
EBW	Electron Beam Welding
	Exploding Bridge Wire
EC	Element Contractor
	Engine Control
	Engine Cutoff
	Essentiality Code
	Events Controller
	Events Coupler
	Experiment Computer
ECA	Electronics Control Assembly
	Engineering Change Analysis
	Epoxy Curing Agent
ECAS	Experiment Computer Applications Software
ECB	Engineering Change Board
	Event Control Block
	Events Control Buffer
ECC	Engineering Change Control
	Engineering Critical Component
ECCB	Engineering Change Control Board
ECD	Engineering Control Drawing
	Estimated Completion Date
ECE	Experiment Checkout Equipment

ECEP	Experiment Checkout Equipment Processor	EDA	Electronic Display Assembly Elevation Drive Assembly
ECF	Element Charge Factor Equivalency Capability File	EDAX	Compositional Analysis
ECG	Electrocardiogram	EDB	Environmental Data Book
ECI	Earth Centered Inertia (Inertials)	EDC	Engineering Design Change
ECIO	Experiment Computer Input/Output	EDC(M)	Electrochemical Depolarized CO ₂ (Module)
ECL	Entry Closed Loop	EDCP	Engineering Design Change Proposal
ECLS	Environmental Control and Life Support	EDDR	Electron Dipole-Dipole Reservoir
ECLSS	Environmental Control and Life Support System (Subsystem)	EDF	Engineering Data File
ECN	Engineering Change Notice	EDLN	Engineering Development Logic Network
ECO	Engine Combustion Engine Cutoff Engineering Change Order	EDM	Electro-Discharge Machining
ECOS	Experiment Computer Operating System	EDNi	Electro-Deposit Nickel
ECP	Engineering Change Program Engineering Change Proposal Engineering Control Proposal Explicitly Coded Program	EDO	Extended Duration Orbiter
ECR	Engineering Change Request Engineering Change Review	EDP	Electronic Data Processing Embedded Data Processor
ECRA	Engineering Change Request/ Authorization	EDPE	Electronic Data Processing Equipment
ECS	Engine Control System Environmental Conditioning System Environmental Control System (Subsystem)	EDPM	Electronic Data Processing Machine
ECU	Electronic Coupling Unit Environmental Control Unit	EDR	Engineering Design Review
ECWS	Environment Control Workstation	EDS	Electrical Distribution System Emergency Detection System Explosive Device System
ED	Edge Distance Edit Engineering Directive Explosive Device	EDT	Eastern Daylight Time (e.d.t. preferred)
		EDU	Engineering Development Unit
		EDV	Electronic Depressurizing Valve
		EDW	Edwards (TACAN Station) Edwards Air Force Base, CA (Deorb OPT site)
		EE	End Effector
		EEC	Extendible Exit Cone
		EECOM	Electrical, Environmental, and Communications Electrical, Environmental, Con- sumables, and Mechanical Systems (MPSR)

EECOMP	Electrical, Environmental, and Consumables System Engineer	EGIL	Electrical, General Instrumentation, and Lighting Engineer
EED	Electro (Electrical) Explosive Device	EGO	Eccentric (Orbiting) Geophysical Observatory
EEE	Electronic, Electrical, Electro-mechanical	EGRET	Energetic Gamma-Ray Explorer Telescope
EEEU	End Effector Electronics Unit	EGRS	Egress
EEG	Electroencephalogram	EGSE	Electrical Ground Support Equipment
EEH	EMU Electrical Harness	EGT	Elapsed Ground Time
EEIS	End-to-End Information System		Estimated Ground Time
EEL	Electrical Equipment List		Exhaust Gas Temperature
EELS	Electron Energy Loss Spectroscopy	EGUN	Fast Pulse Electron Gun
EEM	Earth Entry Module	EH/M	Extension Hose/Mouthpiece
EENT	Eye, Ear, Nose, and Throat	EHC	Electrical Heating Control
EEO	Equal Employment Opportunity	EHF	Extremely High Frequency
EEP	Electronics Equipment Package	EHOT	External Hydrogen/Oxygen Tank
EES	Ejection Escape Suit	EHP	Effective Horsepower
	Emergency Ejection Suits		Electrical Horsepower
EET	Entry Elapsed Time	EHR	Earned Hour Ratio
EETB	Electronic Electrical Termination Building	EHS	Environmental Health Services
EEU	Extravehicular Excursion Unit	EHX	Experiment Dedicated Heat Exchanger
EEVT	Electrophoresis Equipment Verification Test	EI	Electromagnetic Interference
EF	Exposed Facility		Electronic Interface
EFA	Experiment Flight Applications		End Item
EFCS	Earth Fixed Coordinate System		Engineering Instruction
EFF	Efficiency		Entry Interface
EFFGRO	Efficient Growth (Computer Program)		Environmental Impact
EFL	Engineering Field Laboratory	EIA	Electrical Industries Association
EFP	ESA Furnished Property	EIASN	End Item Assembly Sequence Number
EFRD	Experiment Functional Requirements Document	EIC	Experimental Intercom
EFTO	Encrypted for Transmission Only	EID	End Item Documentation
EG	Entry Guidance	EIDP	End Item Data Package
EGA	Evolved Gas Analysis	EIFA	Element Interface Functional Analysis
EGC	Experiments Ground Computer	EIR	Environmental Impact Report
EGF	Electrical, Grapple Fixture	EIRP	Effective Isotropic Radiated Power

EIS	Electrical Integration System End Item Specification Environmental Impact Statement Experiment Initiator System Extended Instruction Set	ELINT	Electromagnetic Intelligence
EIT	Entry Interface Time	ELM	Experiment Logistics Module
EIU	Engine Interface Unit	ELMCH	Electromechanical
EIVT	Electrical and Instrumentation Verification Test Electrical Interface Verification Test Electronic Installation Verification Test	ELMS	Elastic Loop Mobility System Elements
EJN	Ejection	ELRAD	Earth-Limb Radiance Experiment
EKC	Eastman Kodak Company	ELS	Earth Landing System (Subsystem) Eastern Launch Site Elevon Load System Emergency Landing Site Energy Loss Spectroscopy
EKG	Electrocardiogram (Record) Electrocardiograph (Instrument)	ELSC	Earth Landing Sequence Controller
EL	Elastic Limit Electroluminescent Elevate Elevation Angle Equipment List	ELSS	Emergency Life Support System
EL MECH	Electromechanical	ELT	Emergency Locator Transmitter
ELACS	Extended Life Attitude Control System	ELV	Earth Launch Vehicle Electrically Operated Valve Expendable Launch Vehicle
ELB	Elbow	ELVN	Eleven
ELDISC	Electrical Disconnect	EM	Electromagnetic Emergency Engineering Model Exception Monitor
ELDO	European Launcher Development Organization	EMA	Electromagnetic Analysis
ELDV	Electrically Operated Depressurization Valve	EMC	Electromagnetic Compatibility
ELEC	Electric Electronic	EMCC	Emergency Mission Control Center
ELECT	Electrical	EMCD	Electromechanical Control Diagram
ELECTR	Electronics	EMCI	Engineering Model Configuration Inspection
ELEV	Elevon	EMCP	Electromagnetic Containerless Processing
ELF	Extremely Low Frequency (1 Hz to 3 kHz)	EMCPS	Electromagnetic Containerless Processing Science
ELGRA	European Low Gravity Research Association	EMD	Entry Monitor Display
		EMEC	Electromagnetic Effects Capability Electromagnetic Effects Compatibility
		EMER	Emergency

EMES	Electrical, Mechanical, and Environmental Systems	ENA	Enable
EMF	Electromagnetic Force Electromotive Force	ENC	Encode
EMG	Electromyograph(gram) Surface Electromyograms	ENCD	Encode
EMI	Electromagnetic Interference	ENCL	Enclose
EMIS	Emission	END EFF	End Effector
EMK	Emergency Medical Kit	ENDF	Evaluated Neutron Data File
EML	Electromagnetic Laboratory Electromagnetic Levitator	ENG	Electronystagmogram Engine, Engineer
EMN	Engineering Management Network	ENGR	Engineer
EMON	Exception Monitoring	ENGRG	Engineering
EMP	Electromagnetic Pulse Environmental Measurement Payload Equipment Mounting Plate	ENT	Entry
EMPGS	Electrical/Mechanical Power Generation Subsystem	ENVIR	Environment, Environmental
EMR	Electromagnetic Radiation Engine Mixture Ratio	EO	Earth Observation Earth Orbit Engineering Order Engine Out Equal Opportunity Program Office (KSC Directorate)
EMRL	Equipment Maintenance Requirements List	EOC	End of Contract Engine Order Capability Engine-out Capability
EMS	Electromagnetic Susceptibility Engineering Master Schedule Engineering Modeling System Entry Monitor Subsystem Entry Monitoring System	EOD	Entry on Duty Environmental Observation Division Estimated on Dock Explosive Ordnance Disposal
EMSF	External Maintenance and Servicing Facility	EODB	End of Data Block
EMSS	Electromagnetic Servoactuator System	EOF	End of File
EMT	Electromechanical Test	EOG	Electroculogram
EMU	Engineering Model Unit Extended Memory Unit Extravehicular Mobility Unit	EOGO	Eccentric Orbiting Geophysical Observatory
EMU-TV	Extravehicular Mobility Unit— Television	EOHT	External Oxygen and Hydrogen Tanks
E-MUX	Electrical Multiplex	EOI	Earth Orbit Insertion
		EOIM	Evaluation of Oxygen Interaction With Materials
		EOL	End of Line

EOM	Earth Observation Mission End of Message End of Mission End of Month Engineering Operations Manual Equations of Motion	EPDB	Electrical Power Data Base Electrical Power Distribution Box Experiment Power Distribution Box
EOMF	End of Minor Frame	EPDC	Electrical Power Distribution and Control
EOO	Equal Opportunity Office	EPDCS	Electrical Power Distribution and Control System (Subsystem)
EOP	Earth and Ocean Physics Emergency Oxygen Pack Experiments of Opportunity	EPDM	Ethylene Propylene Diene Monomer
EOPAP	Earth and Ocean Physics Application Program	EPDS	Electrical Power and Distribution Subsystem Electrical Power Distribution System Experiment Power and Data System
EOR	Earth Orbit Rendezvous	EPE	Energetic Particle Explorer
EOS	Earth Observation Satellite Earth Observing System Earth Orbit Shuttle Emergency Oxygen Supply Emergency Oxygen System Extended Operating System	EPG	Electrical Power Generator
EOT	End of Tape End of Transmission	EPL	Electrical Power Level Electronic, Electrical, and Electro-mechanical Parts List Emergency Power Level
EOW	Energy Over Weight	EPMS	Engineering Performance Management System
EP	Elbow Pitch Electrical Power Environmental Protective Plan	EPO	Element Project Office
EPA	Environmental Protection Agency	EPOC	External Payload Operations Center
EPAR	External Tank Project Assessment Review	EPPS	Electrical Power/Pyro Sequential System
EPC	Error Protection Code External Power Contractor	EPR	Engine Pressure Ratio
EPCDC	Electrical Power Conditioning, Distribution, and Control	EPTRIB	Emergency Position Indicating Radio Beacon
EPD	Electrical Power Distribution Emergency Procedures Document	EPRN	Emergency Program Release Notice
		EPROM	Erasable Programmable Read Only Memory
		EPS	Electrical Power System (Subsystem) Evaluation Planning System Experimental Power Supply
		EPSP	Experiment Power Switching Panel
		EPT	Emergency Procedure Trainer Ethylene Propylene Terpolymer
		EPTU	Events Per Time Unit

EPWG	Environmental Projects Working Group	ERR CNTR	Error Counter
EQ	Equivalent	ERRC	Expendability/Recoverability/Repair Capability
EQE	Event Queue Element	ERS	Earth Recovery Subsystem
EQL	Equal		Engineering Release System
EQUIP	Equipment		Entry and Recovery Simulation
EQUIV	Equivalent	ERS-1	Earth Remote Sensing Satellite-1
ER	Explanation Report	ERSI	Elastomeric Reusable Surface Insulation
ERA	Electrical Replaceable Assembly Exabiology and Radiation Assembly	ERSIR	Earth Resources Shuttle Imaging Radar
ERAP	Earth Resources Aircraft Program	EROS	Earth Resources Observation System
ERB	Engineering Review Board	ERTS	Earth Resources Technology Satellite
ERBE	Earth Radiation Budget Experiment	ERU	Earth Rate Unit
ERBE-NS	ERBE Nonscanner	ERV	Expiratory Reserve Volume
ERBE-S	ERBE Scanner	ES	Electrical System
ERBS	Earth Radiation Budget Satellite		Equipment Section
ERC	Event Recorder		Equipment Shelf
ERCA	Electrochemically Regenerable CO ₂ Absorber		Escape System
ERD	Experiment Requirements Document		Experiment Segment
EREP	Earth Resources Package	ESA	Engineering Supply Area
ERG	Ergometer		Engineering Support Assembly
ERIP	Experiment Requirement and Implementation Plan		European Space Agency
ERL	Environmental Research Laboratory		Explosive Safe Area
ERNO	'Entwicklungts Ring Nord' Organiza- tion, Space Division of European Consortium, VFW-Fokker- Mannheim, Germany (Spacelab Contractor)	ESB	Essential Switching Box
ERO	Engineering Release Operations	ESC	Engine Start Command
EROS	Earth Resources Observation System		Engineering Support Center
ERP	Effected Radiative Power Effective Radiation Power Eye Reference Point	ESCA	Escape
ERPM	Engineering Requirements and Procedures Manual		Electron Spectroscopy for Chemical Analysis
ERR	Error	ESCU	Extended Service and Cooling Umbilical
		ESD	Electrostatic Discharge Emergency Shutdown Experiment Systems Division
		ESDAC	European Space Data Center (Darmstadt, Germany)

ESDU	Event Storage and Distribution Unit	ESTA	Electronic System Test Equipment
ESE	Electrical Support Equipment		Escape System Test Article
	Electronic Support Equipment	ESTEC	European Space Research and Technology Center
	EVA Support Equipment		European Space Technology Center
ESF	Explosive Safe Facility	ESTL	Electronic Systems Test Laboratory
ESI	Electrical System Integration	ESV	Emergency Shutoff Valve
ESMC	Eastern Space and Missile Center (formerly AFETR), also ETR	ESVS	Escape Suit Ventilation System
ESME	Eastern Space and Missile Center		Escape System Ventilation System
ESMR	Electrically Scanned Microwave Radiometer	ESW	Engine Status Word
ESO	European Southern Observatory	ET	Edge Thickness
	Event Sequence Override		Elapsed Time
ESOC	European Space Operations Center		Elevated Temperature
ESOW	Engineering Statement of Work		Event Timer
ESP	Electroshock Protection		External Tank
	Employee Suggestion Program	ET-SEP	External Tank Separation
	Engine Service Platforms	ETA	Environmental Test Article
	Experiment Sensing Platform		Estimated Time of Arrival
ESPS	Experiment Segment Pallet Simulator		Estimated Time to Acquisition
ESR	Effective Sunrise		Explosive Transfer Assembly
	Engineering Support Request		External Tank Attachment
ESRIN	European Space Research Institute	ETB	Equipment Transfer Bag
ESRO	European Space Research Organization	ETC	Earth Terrain Camera
ESS	Effective Sunset		Estimate to Completion
	Electroexplosive Device		Greenbelt, Maryland (STDN Site)
	Environmental Support System	ETCA	ET Intertank Carrier Plate Assembly
	Equipment Support Section	ETCO	Equipment Transfer/Change Order
	Essential	ETD	Electrical Terminal Distributor
	Experiment Subsystem Simulator		Estimated Turnover Date
ESSA	Environmental Sciences Services Administration	ETE	End-to-End
EST	Eastern Standard Time (e.s.t. preferred)	ETED	External Thermal Environment Data
	Estimate(d)	ETEDB	External Thermal Environment Data Base
		ETI	Elapsed Time Indicator
		ETLOW	External Tank Lift-Off Weight

ETM	Elapsed Time Meter Engineering Test Motor	EVCS	Extravehicular Communications System
ETP	Equipment Test Plan	EVCU	Extravehicular Communications Umbilical
ETR	Eastern Test Range (ESME preferred) Experiment Tape Recorder	EVD	External Visual Display
ETROD	Eastern Test Range Operations Directive	EVF	Equipment Visibility File
ETS	Electrical Test Set Energy Transfer System External Tank System (Subsystem)	EVLSS	Extravehicular Lift Support System
ETSS	External Tank Separation Subsystem	EVM	Earth Viewing Module
ETU	Engineering Test Unit	EVMU	Extravehicular Mobility Unit
ETVA	External Tank Vent Arm	EVO	Engineering Verification Order
EU	Electronic Unit Engineering Units Experimental Unit	EVS	Equipment Visibility System Extravehicular Suit
EURECA	European Retrievable Carrier	EVSC	Extravehicular Suit Communications
EUROCOMSAT	European Consortium Communications Satellite	EVSS	Extravehicular Space Suit
EUV	Extreme Ultraviolet	EVSU	Extravehicular Space Unit
EUVE	Extreme Ultraviolet Explorer Satellite	EVT	Engineering Verification Test Extravehicular Transfer
EV	Expendable Vehicles Extravehicular	EVVA	Extravehicular Visor Assembly
eV	Electron Volts	E/W	Energy Over Weight
EVA	Earned Value Analysis Extravehicular Activity	EWA	Estimated Warehouse Arrival
EVAL	Earth Viewing Applications Laboratory Evaluate, Evaluation	EWE	Emergency Window Escape
EVAP	Evaporator	EW O	Engineering Work Order
EVAS	Extravehicular Activity System	EWR	Engineering Work Request
EVATA	Extravehicular Activity Translational Aid	EX	Executive Management Office (KSC Directorate)
EVA WS	EVA Workstation	EXC	Experiment Computer
EVC	Extravehicular Communications	EXCH	Exchange
EVCON	Events Control (Subsystem)	EXEC	Execute
		EXH	Exhaust
		EXO	Experiment Operator (in Spacelab)
		EXP	Expand Experiment Exposure
		EXPEN	Expendable

EXT	Experiment Terminal (Operator Console on Spacelab) Extension External
EXTD	Extend
EXTER	External
EXTGH	Extinguish

F

F	Fahrenheit		Final Assembly Checkout
F	Failure	FACS	Facilities Control
	Farad (SI Unit of Capacitance)		Finance and Control System
	Female	FACT	Flexible Automatic Circuit Tester
	Forward	FAD	Final Approach Display
	Front	FAF	First Aerodynamic Flight
F&E	Facility and Environment	FAGS	Federation for Astronomical and Geophysical Services
F&S	Fire and Smoke Detection	FAIR	Fabrication, Assembly, and Inspection Record
F/A	Failure Analysis	FAJ	Final Assembly Jig
	Fuel-Air	FAL	First Approach and Landing (Test)
F/C	Fit Check	FAM	Familiarization
	Flight Controller	FAMOS	Flight Acceleration Monitor Only System
	Fuel Cells	FAO	Flight Activities Officer
F/D	Fill/Drain	FAP	Final Approach Plane
F/E	Full/Empty	FAR	Failure Analysis Report
F/F	Fill/Full, Full/Fill		Federal Aviation Regulation
F/O	Fuel/Oxidizer Ratio		Final Acceptance Review
F/R	Flared Rudder		Flight Acceptance Review
FA	Failure Analysis	FAR-UV	Far Ultraviolet Camera
	Final Approach	FARC	Federal Archives and Records Center
	Final Assembly	FASCOS	FLight Acceleration Safety Cutoff System
	Flight Aft	FAT	Flight Attitude Table
	Flight Critical Aft	FAUST	Far Ultraviolet Space Telescope
	Fully Automatic	FAWG	Flight Assignment Working Group
FA/COSI	Final Assembly and Closeout System Installation	FAX	Facsimile Transmission
FAA	False Alarm Avoidance	FB	Feedback
	Federal Aviation Administration		Final Braking
FAB	Fabricate, Fabrication	FBAS	Fixed Base Aft Station
FAC	Facility	FBC	Fluidized-Bed Combustion
FACI	First Article Configuration Inspection	FBCS	Fixed Base Crew Station (SMS)
FACO	Fabrication and Acceptance Checkout	FBS	File Backup System
	Factory Acceptance Checkout		Firefighters Breathing System
	Factory Assembly and Checkout		Flare Buildup Study

FBV	Field Base Visit Fuel Bleed Valve	FCIP	Flight Cargo Implementation Plan
FC	Fit Check Flight Computer Flight Control Flight Critical Fuel Cell Furnace Container	FCL	Freon Coolant Line Freon Coolant Loop
FCA	Flight Configuration Audit Fluids Control Assembly Frequency Control Analysis Functional Compatibility Analysis Functional Configuration Audit	FCMU	Foot Controlled Maneuvering Unit
FCAF	Flight Crew Accommodations Facility	FCN	Function
FCAP	Flight Control Applications Program	FCO	Final Checkout Functional Checkout
FCC	Federal Communications Commission Flat Conductor Cable Flight Control Computer Flight Crew Compartment	FCOH	Flight Controllers Operational Handbook
FCCP	Firm Contract Cost Proposal	FCOS	Flight Computer Operating System (Orbiter) Flight Control Operating System Flight Control Operational Software
FCD	Flight Control Division (JSC) Function Control Document	FCP	Failure Correction Panel Firm Cost Proposal Flight Correction Proposal Fuel Cell Power (Plant)
FCDB	Flight Control Data Bus	FCPS	Fuel Cell Power System (Subsystem)
FCDC	Flexible Confined Detonating Cord	FCR	Final Configuration Review Flight Configuration Review Flight Control Room
FCE	Flight Control Equipment Flight Crew Equipment	FCRA	Fecal Collection Receptable Assembly
FCEF	Flight Crew Equipment Facility	FCRT	Flight Display CRT
FCEI	Facility Contractor End Item	FCS	Fecal Containment System Federal Communications System Financial Control System Flight Control System (Subsystem) Flight Crew System
FCF	First Captive Flight Flight Critical Forward Functional Check Flight	FCSM	Flight Combustion Stability Monitor
FCFM	Flight Combustion Facility Monitor	FCSS	Fuel Cell Servicing System
FCH	Flight Controllers Handbook	FCT	Flight Control Team Flight Crew Trainer Fuel Cell Test
FCHL	Flight Control Hydraulics Laboratory	FCTB	Flight Crew Training Building
FCI	Flight Control Indicator Functional Configuration Identification	FCTF	Fuel Cell Test Facility
FCIM	Flight Control Interface Module	FCTS	Flight Crew Trainer Simulator
		FCU	Fluid Checkout Unit

FCW	Format Control Words	FDR	Final Design Review
FD	Fault Detection		Flight Data Recorder
	Feed		Functional Design Review
	Flight Day	FDRD	Flight Definition and Requirements Document
	Flight Deck	FDRI	Flight Director Rate Indicator
	Flight Director	FDS	Fire Detection and Suppression
	Freeze Dried		Flight Design and Scheduling
	Function Designator		Flight Design System
FD WMR	Food Warmer		Flight Dynamics Simulator
FDA	Fault Detection and Annunciation		Flight Dynamics Software/System
	Flight Deck Assembly (FDF)		Fluid Distribution System
FDAI	Flight Director Attitude Indicator		Functional Design Specifications
FDB	Fahrenheit Dry Bulb	FDSC	Flight Dynamics Simulation Complex
FDD	Flight Definition Document		Flight Dynamics Situation Complex
FDDB	Function Designator Data Base	FDU	Fluid Distribution Unit
FDE	Fluid Dynamics Experiment	FDX	Full Duplex
FDF	Flight Data File	FEA	Failure Effects Analysis
	Flight Dynamics Facility		Fluids Experiment Apparatus
FDI	Failure Detector Indicator	FEAT	Final Engineering Acceptance Test
	Fault Detection and Identification	FEB	Forward Equipment Bay
	Fault Detection and Isolation	FEC	Field Engineering Change
FDIIR	Fault Detection, Isolation, Identification, and Recompensation		Forward Events Controller
FDIR	Fault Detection Identification/Isolation and Recovery/Recognition	FED	Flight Events Demonstration
FDL	Flight Director Loop	FEDP	Facility and Equipment Design Plan
FDLN	Feedline	FEE	Flight Support System
FDM	Flight Data Manager	FEGLI	Federal Employees Group Life Insurance
	Frequency Data Multiplexer	FEID	Flight Equipment Interface Device
	Frequency Division Multiplexing		Functional Engineering Interface Device
FDMA	Full Diameter Motorized Door Assembly	FEM	Finite Element Method
FDO	Fee Determination Official	FEMCPL	Facilities and Envir. Measurement Comp. Parts List
	Flight Dynamics Officer		
FDOR	Flight Design Operations Review		

FEP	Flight Evaluation Plan Fluoro Ethel Propane Fluorinated Ethylene Propylene Front End Processor	FHS	Forward Heat Shield
FERD	Facility and Equipment Requirements Document	FHST	Fixed-Head Star Tracker
FERS	Federal Employees Retirement System	FI	Fault Identification Flight Instrumentation Formal Inspection
FES	Flash Evaporator System Flight Element Set Fluid Experiment System	FIAR	Failure Investigation Action Report
FES/VCGS	Fluid Experiment System/Vapor Crystal Growth System	FID	Failure Identification Flight Implementation Directive
FESL	Failure Effects Summary List	FIDO	Flight Dynamics Officer
FET	Field Effect Transistor Flight Elapsed Time	FIE	Flight Instrumentation Engineer
FEWG	Flight Evaluation Working Group	FIFO	First In—First Out (High Speed Data Buffers)
FF	Flight Forward Flip Flop Free Flight	FIG	Figure
FFBD	Functional Flow Block Diagram	FIIG	Federal Item Identification Guide
FFC	Final Flight Certification	FIL	Filament
FFD	Fixed Format Display Functional Flow Diagram	FILE	Feature Identification and Location Experiment
FFM	Free-Flying (Experiment) Module	FIO	Furnished and Installed by Others
FFP	Firm Fixed Price	FIPS	Federal Information Processing Standards
FFTO	Free-Flying Teleoperator	FIR	Fuel Indicating Reading
FGE	Fine Guidance Electronics	FIRST	Far-Infrared Space Telescope
FGS	Fine Guidance Sensors Fine Guidance System	FIS	Facility Interface Sheets
FGSE	Fine Guidance System Electronics	FIT	Fault Isolation Test First Computer Interface Tester
FH	Flex Hose	FITH	Fire-in-the-Hole
FHC	Flight Half Coupling	FIV	Fuel Isolation Valve
FHD	Fixed Head Disk	FKB	Flight Display Keyboard
FHF	First Horizontal Flight	FKF	Flight Kits Facility
FHO	Failed Handover	FL	Fail Feed Lines Flowline
FHP	Fuel High Pressure	FL MECH	Fluid Mechanical
		FLAP	Flight Application Software
		FLC	Federal Library Committee Forward Load Control
		FLCA	Forward Load Control Assembly

FLD Field

FLEX Flexible

FLEXBEAM
USAFA's Flexible Beam Experiment

FLG Flag
Flange

FLLK Frustum Lifting Lug Kit

FLN Fuel Line

FLOT Flotation

FLP Flap

FLPS Flight Load Preparation System

FLR Failure
Flare

FLS Flight Surgeon

FLSC Flexible Linear Shaped Charge

FLT Flight
Floating

FLT/HDWE
Flight Hardware

FLTR Filter

FLTSATCOM
Fleet Satellite Communications

FLUOR Fluorescent

FLW Fellows (TACAN Station)

FM Failure Mechanics
Flight Model
Frequency Modulation (Modulated)
Furnace Module

FM/FM Frequency Modulation/Frequency
Multiplexing

FM/PM Frequency Modulation/Phase
Modulation

FMA Failure Mode Analysis

FMAHTS Flight Manifest and Hardware
Tracking System

FMANTS Flight Manifest

FMC Food Machinery Corporation

FMCF First Manned Captive Flight

FMDM Flex Multiplexer/Demultiplexer

FMEA Failure Modes and Effects Analysis

FMEA/CIL Failure Mode Effects Analysis/
Critical Items List

FMEC Forward Master Events Controller

FMECA Failure Mode, Effects, and Criticality
Analysis

FMFIA Federal Manager's Financial Integrity
Act

FMK Field Modification Kit

FML Fault Message Line
Final Materials List

FMO Financial Management Office
Flight Medical Officer

FMOF First Manned Orbital Flight

FMOFEV First Manned Orbital Flight With EVA

FMOFPL First Manned Orbital Flight With
Payload

FMR Field Modification Request
Function Max Rate

FMS Fluid Management System
Food Management System
(Subsystem)

FMSP Frequency Modulation Signal
Processor

FMT Flight Management Team
Format

FMX FM Transmitter

FND Facility Need Date

FNL Final

FNT Failure Notification Telex

FO Fail Operational
Fiber Optics
Functional Objectives

FO/FS Fail-Operational/Fail-Safe

FOB	Flight Operations Building Free on Board		Freezing Point Fuel Pressure
FOC	Faint Object Camera (on HST) Focus Full Operational Capability		Function Path Fuse Plug
FOD	Flight Operations Directorate (JSC)	FPA	Focal Plane Assembly
FOE	Flight Operations Engineer	FPB	Fuel Preburner (Space Shuttle Main Engine)
FOF	First Operational Flight First Orbital Flight Flight Operations Facilities	FPBOV	Fuel Preburner and Oxidizer Valve
FOIH	Flight Operations Integration Handbook	FPC	Fluids Pressure Control Forward Power Controller
FOMMS	Flight Operations Maintenance Management System	FPCA	Forward Power Control Assembly
FOMR	Flight Operations Management Room	FPE	Functional Program Element
FOP	Flight Operations Panel Flight Operations Plan Follow on Production	FPEG	Fast Pulse Electron Gun
FOPG	Flight Operations Planning Group	FPHB	Flight Procedures Handbook
FOPP	Follow on Parts Production	FPI	Fabry-Perot Interferometer
FOPS	Flight Operations Planning Schedule	FPIF	Fixed Price Incentive Fee
FOR	Flight Operations Review Force	FPL	Full Power Level Full Power Load
FORTTRAN	Formula Translation	FPLC	Full Power Level Certification
FOS	Faint Object Spectrograph (on HST) Flight Operations Support	FPM	Feet Per Minute Folding Platform Mechanism
FOSDIC	Film Optical Sensing Device for Input to Computers	FPOV	Fuel Preburner Oxidizer Valve
FOSO	Flight Operations Scheduling Officer	FPOVA	Fuel Preburner Oxidizer Valve Actuator
FOSP	Flight Operations Support Personnel	FPP	Freon Pump Package
FOST	Flight Operations Support Team	FPPR	Fixed Price With Price Revision
FOT	Flight Operations Team	FPR	Flight Performance Reserve
FOV	Field of View (Vision) First Orbital Vehicle	FPS	Feet Per Second Flight Per Second
FP	Fine Pointing Fixed Point Flight Plan		Floating Point System Focal Plane Structure Forward Power Supply Frames Per Second
		FPU	Floating Point Unit
		FPV	Flow Proportioning Valve
		FQ	Flight Qualification
		FQI	Flight Qualification Instrumentation

FQR	Flight Qualification Recorder Flight Qualification Review		Frequency Response Test
FQT	Formal Qualification Test	FRUSA	Flexible Roll-Up Solar Array
FR	Firing Room Flight Rule Frame Functional Requirements	FRZR	Freezer
FRAGNET	Fragmented Network	FS	Fail-Safe Fail to Sync Fault Summary Federal Specification Fire Suppression Flight System Freon Servicer Full Scale Functional Schematic Fuselage Station
FRB	Failure Review Board	FSAA	Flight Simulator for Advanced Aircraft
FRC	Flight Research Center, California	FSC	Federal Stock Classification
FRCS	Forward Reaction Control System (Subsystem)	FSCM	Federal Supply Code for Manufacturers
FRD	Flight Requirements Document	FSCP	Fire Sensor Control Panel
FRDT	Facility Requirements Definition Team	FSD	Flight Simulation Division (JSC) Full Scale Development
FRE	Flight Related Element Format Request Element	FSDVF	Flight Software Development and Verification Facility
FREQ	Frequency	FSE	Flight Simulation Engineer
FREQ CONV	Frequency Converter	FSF	First Static Firing
FREQ DIV	Frequency Divider	FSGS	Flare/Shallow Glide Slope
FRF	Flight Readiness Firing	FSI	Final Systems Installation
FRFT	Flight Readiness Firing Test	FSIM	Functional Simulator
FRJD	Forward Reaction Jet Driver	FSIWG	Flight System Interface Working Group
FRL	Flame Retardant Latex Frame Reference Line Fuselage Reference Line	FSK	Frequency Shift Keyed (Keying)
FRM	Fluid Resupply Module	FSL	Flight Simulation Laboratory Flight Systems Laboratory
FRMT	Format	FSLO	First Spacelab Payload
FRP	Fuselage Reference Plane	FSLT	First Sea Level Test
FRR	Flight Readiness Review	FSM	Fluid System Module Fuel Supply Module
FRRID	Flight Readiness Review Item Description Flight Readiness Review Item Disposition	FSMDB	Flight Support Maintenance Data Base
FRSI	Felt Reusable Surface Insulation		
FRT	Flight Readiness Test Flight Readiness Training		

FSMMS	Flight Support Maintenance Management System	FTC	Flight Test Conductor Florida Test Center (MDAC)
FSN	Federal Stock Number	FTE	Factory Test Equipment
FSO	Functional Supplementary Objectives		Flight Test Engineer
FSOH	Flight Support Operations Handbook		Forced Test End
FSP	Fault Summary Page		Full-Time Equivalent
FSR	Final System Release Flight Specific Requirements	FTIR	Fourier Transfer Infrared Spectrophotometer
FSRR	Flight Software Readiness Review Flight System Readiness Review	FTIS	Flight Test Instrumentation System
FSRS	Flight System Recording System	FTM	Furnace Translation Mechanism
FSS	Field Spectrometer System Fire Suppression System Fixed Service Structure Flight Support Station (for MMU) Flight Support Structure Flight Support System Flight Systems Simulator	FTMD	Flight Torque Measurement Demonstration
FSSA	Fine Sun Sensor Assembly	FTMS	Fluid Transfer Management System
FSSR	Flight Systems Software Requirements Functional Subsystem Software Requirements	FTO	Flight Test Objective Functional Test Objectives
FSTE	Factory Special Test Equipment	FTOH	Flight Team Operations Handbook Flight Test Operations Handbook
FSU	Freon Servicing Unit	FTP	Flight Test Procedure Full Throttle Position
FSW	Flight Software		Functional Test Progress Functional Test Program
FT	Flight Team Flight Test Formal Training Functional Test	FTR	Flight Test Requirement Functional Test Requirement
ft	Feet	FTRD	Flight Test Requirements Document Functional Test Requirements Document
FT&SC	Formal Training and Certification	FTS	Federal Telecommunications System Flight Telerobotic Servicer Flight Test Station Flight Test System Functional Test Specifications
ft³/min	Cubic Foot Per Minute	FTT	Fischer-Tropsch Type (Synthesis)
ft/s	Feet Per Second	FU	Flight Unit Fuel
FTA	Fatigue Test Article Fault Tree Analysis Flight Test Article	FUB	Forward Utility Bridge
		FUD	First Use Date
		FUNC	Function

FUNCT	Functional
FUO	Follow-Up Output
FURB	Facilities Utilization Review Board
FUS	Fuselage
FUS/LF	Fuselage, Lower Forward
FUS/UF	Fuselage, Upper Forward
FUSE	Far Ultraviolet Spectroscopy Explorer
FUSLG	Fuselage
FV	Flight Vehicle Flight Version Front View
FVF	First Vertical Flight
FVMS	Fluid Volume Measurement System
FVP	Flight Verification Payload
FVV	Facility Verification Vehicle
FW	Flag Word Fuel Wasting
FWB	Fahrenheit Wet Bulb
FWC	Filament Wound Case
FWD	Forward
FWD HT SHLD	Forward Heat Shield
FWG	Facility Working Group
FWHM	Full Width at Half Maximum
FWSI	Fairchild-Weston Systems, Inc.
FWW	Food, Water, and Waste
FWWM	Food, Water, and Waste Management
FWWMS	Food, Water, and Waste Management System (Subsystem)
FXD	Fixed
FY	Fiscal Year

G

G	Giga (Billion)	GACU	Ground Air Conditioning Unit
	Gravity		Ground Avionics Cooling Unit
	Gravitational Constant	GAIN	Graphic Aids for Investigating Networks
	Units of Gravitational Force	GAM	Gamma
g	Gram	GAO	General Accounting Office
G&A	General and Administrative	GAP	GOAL Automatic Procedure
G&C	Guidance and Control	GAPL	Group Assembly Parts List
G&N	Guidance and Navigation	GAS	Get Away Special
G&NS	Guidance and Navigation Subsystem	GASPI	Guidance Attitude Space Position Indicator
G-A	Ground-to-Air	GATE	Get Away Tether Experiment
G-G	Ground-to-Ground	GATP	Ground Acceptance/Article Test Procedure
G-II	Gulfstream II (Shuttle Training Aircraft)	GATT	Gate Assisted Turnoff Thyristor
G-GPRF	Gradient General Purpose Rocket Furnace	GB	Gigabit
G-MEM	General Memory	GBA	Gas Bridge Assembly
	GPC-Memory	GBDLS	Ground-Based Doppler Lidar System
G-V	Gravity-Velocity	GBI	Grand Bahama Island
G/A	Ground-to-Air	GBL	Government Bill of Lading
G/E	Graphite Epoxy	GBR	Glass Bead Rating
G/G	Ground-to-Ground	GBS	Gas Bridge System
G/T	Antenna Gain-to-Noise Temperature Ratio		Ground Based Software
	Gradient-to-Cooling Ratio	GBT	Ground-Based Test
GA	Gauge	GC	Gigacycles (1,000 Megacycles)
	General Assembly		Ground Control
	Glide Angle		Guidance Control
	Gyro Assembly		Gyrocompassing
GA&CS	Ground Acquisition and Command Station	GCA	Ground Controlled Approach
GaAs	Gallium Arsenide (Crystals)	GCC	Ground Communications Coordinator
GAB	Gas Adapter Beam		Ground Control Center
GAC	Ground Attitude Control	GCCC	Ground Control Computer Center
	Grumman Aerospace Corporation	GCCO	Ground Control Checkout
		GCD	Gyro-Compass, Desired Cluster Orientation
		GCDC	Ground Checkout Display and Control

GCDCS	Ground Checkout Display and Control System		Gyro Display Coupler
GCE	Ground Checkout Equipment	GDFA	Gas Jet Diffusion Flame Apparatus
GCEL	Ground Control Experiment Laboratory	GDMS	Ground Data Management System
GCF	Ground Communications Facility	GDO	Guidance Officer
GCHX	Ground Cooling Heat Exchanger	GDP	Generalized Documentation Processor
GCI	Ground Controlled Interception	GDS	GNC Dynamic Simulator
GCIL	Ground Control Interface Logic		Goldstone, CA (STDN Site, 1st antenna)
GCILC	Ground Command Interface Logic Controller	GDSD	Ground Data Systems Division
GCILU	Ground Control Interface Logic Unit	GDSM	Ground Data Systems Manager
GCL	Ground Control Landing	GDSO	Ground Data Systems Officer
	Ground Coolant Loop	GDSSR	GDSD Staff Support Room
GCN	Ground Communications Network (A/G Worldwide Net)	GDX	Goldstone, CA (STDN Site, 2nd Antenna)
	Ground Control Network	GE	General Electric
GCO	Ground Checkout	GECALL	GCOS Program Element Name
GCOS	General Computer Operational System	GEDAC	General Electric Detection and Automatic Correction
	Ground Computer Operating System	GEM	General Electronics Module
GCR	Galactic Cosmic Ray	GEN	Generate, Generator
	Ground Controlled Radar	GENOPAUSE	
GCS	Ground Communications System		Geodetic Satellite in Polar Geosynchronous Orbit
	Guidance Cutoff Signal	GEO	Geostationary Earth Orbit
GCTS	Gas Component Test Stand		Geosynchronous Earth Orbit
	Ground Communication(s) Tracking System	GEOD	Geodetic
GCU	General Control Unit	GEODSS	Ground-based Electro-optical Deep-Space Surveillance System
	Generator Control Unit	GEOS-2	Geodetic Earth-Orbiting Satellite 2
	Ground Cooling Unit	GEOSAR	Geosynchronous Earth Orbit Synthetic Aperture Radar
	Gyro Coupling Unit	GEOSEPS	General Summary Edit Program
	Gyro Display Coupler		Geosynchronous Solar Electric Propulsion Stage
GCV	Gaseous Oxygen Control Valve	GERT	Graphical Evaluation and Review Technique
GD	Guard	GES	Goddard Experiment Support System
GDA	Gimbal Drive Actuator/Assembly		
GDBS	Generalized Data Base System		
GDC	General Dynamics Convair		
	General Dynamics Corporation		

GESYOT	GCOS Program Element Name	GHCD	Growth Hormone Concentrations and Distribution
GET	Ground Elapsed Time	GHe	Gaseous Helium
GETI	Ground Elapsed Time of Ignition	GHF	Gradient Heating Facility
GETIL	Ground Elapsed Time of Landing (for TIG of Abort Burn)	GHRS	Goddard High Resolution Spectrograph
GETS	Ground Equipment Test Sets	GHX	Ground Heat Exchanger
GeV	Gigaelectron Volt	GHz	Gigahertz
GF	Gauge Factor	GIA	GPC Interface Adapter
GF&P	Gases, Fluids, and Propellants	GIDEP	Government-Industry Data Exchange Program
GFAE	Government Furnished Aerospace Equipment	GIE	Ground Instrumentation Equipment
	Government Furnished Aircraft Equipment	GIM	Generalized Information Management
GFD	Government Furnished Data	GIRD	Ground Integration Requirements Document
GFE	Government Furnished Equipment	GITG	Ground Interface Technical Group
GFFC	Geophysical Fluid Flow Cell Experiment	GIWG	Ground Interface Working Group
GFGAS	Gradient Furnace for Get Away Special Canister	GKS	Graphical Kernel System
GFM	Government Furnished Material	GLAADS	Gun Low Altitude Air Defense System
GFP	Government Furnished Property	GLC	Generator Line Contractor
GFRP	Glass Fiber Reinforced Plastics	GLD	Glide Slope
	Graphite Fiber Reinforced Plastics	GLL	Galileo
GFS	Government Furnished Software	GLM	Gimbal Latch Mechanism
GFY	Government Fiscal Year	GLOMR	Global Low Orbiting Message Relay
GG	Gas Generator	GLOW	Gross Lift-Off Weight
	Gravity Gradient		Ground Lift-Off Weight
GGEM	Gravity Gradiometer Explorer Mission	GLP	Goal Language Processor
GGS	Global Geosynchronous Science	GLRSHLD	Glare Shield
GGSTIDE	Global Geosynchronous Science Thermal Ions Dynamics Experiment	GLS	Ground Launch Sequence (Sequencer)
GGVM	Gas Generator Valve Module	GLY	Glycol
GH₂	Gaseous Hydrogen		Water-Glycol Mixture
GHA	General Housekeeping Area	GM	Gaseous Mixture
	Greenwich Hour Angle		Geometric Mean
GHC	Ground Half Coupling	GMAL	General Electric Macro Assembly Language
		GMBL	Gimbal
		GMCL	Ground Measurements Command List

GMIL	Spaceflight Tracking and Data Network (STDN) Station (KSC)		Geosynchronous Operational Environmental Satellite
GML	General Measurement Loop	GOFS	Global Ocean Flux Study
GMM	Geometric Math Model	GOM	KSC Ground Operations Manager at DFRC or WSMR
GMMC	Ground Master Measurements List	GOMMS	Ground Operations and Material Management System
GMMMU	Ground Mounted Manned Maneuvering Unit	GOMS	Ground Operations Management System
GMN	Gorman (TACAN Station)	GOP	Ground Operations Panel
GMT	Greenwich Mean Time (G.m.t. preferred)	GOPG	Ground Operations Planning Group
GN	Gain Ground Network	GOR	Ground Operations Review
GN₂	Gaseous Nitrogen	GORP	Ground Operations Requirements Plan Ground Operations Review Panel
GN&C	Guidance, Navigation, and Control	GORS	Ground Observer RF System
GNC	Guidance and Navigation Computer	GOSS	Ground Operations Support System
GNCFTS	GN&C Flight Test Station	GOWG	Ground Operations Working Group
GNCIS	GN&C Integration Simulator	GOX	Gaseous Oxygen (GO ₂)
GNCS	Guidance and Navigation Control System	GP	General Publication (KSC) General Purpose Group
GNCTS	GN&C Test Station	GP-B	Gravity Probe B
GND	Ground	GPA	General Purpose Amplifier GIDEP Problem Advisory
GND C/O	Ground Checkout	GPAS	General Purpose Airborne Simulator
GNP	Gross National Product	GPBIM	General Purpose Buffer Interface Module
GO	General Order	GPC	Gel Permeation Chromatograph General Purpose Computer
GO₂	Gaseous Oxygen	GPCB	GOAL Program Control Block
GOAL	Ground Operations Aerospace Language	GPD	Gimbal Position Display
GOC	Ground Operations Center Ground Operations Coordinator	GPF	Gas Processing Facility
GOCA	Ground Operations Control Area	GPH	Gallons Per Hour (gal/h preferred)
GOCO	Government Owned—Contractor Operated	GPI	Gimbal Position Indicator Ground Position Indicator
GOE	Ground Operating Equipment	GPL	General Purpose Laboratory Goal Processing Language
GOES	Geostationary Environmental Satellite System Geostationary Operational Environ- ment Satellite		

GPM	Gallons Per Minute (gal/min preferred)	GS	Gas Servicer
GPME	General Purpose Mission Equipment		General Schedule
GPPF	Gravitational Plant Physiology Facility		Glide Slope
GPRF	General Purpose Rocket Furnace		Ground Speed
GPRF-G	General Purpose Rocket Furnace- Gradient		Ground Station
GPRF-I	General Purpose Rocket Furnace- Isothermal	GSA	Gas Supply Assembly
GPRN	GOAL Test Procedure Release Notice		General Services Administration
GPS	Gallons Per Second (gal/s preferred)	GSAT	General Satellite (STS)
	General Processing Subsystem	GSC	Guide Star Catalog
	Global Positioning Satellite	GSCD	Ground Systems Control Document
	Global Positioning System	GSCU	Ground Service Cooling Unit
	Ground Power Supply	GSDL	Ground Software Development Laboratory
	Ground Processing Simulation	GSE	Ground Servicing Equipment
GPSA	Global Position Satellite		Ground Support Equipment
GPSS	General Purpose System Simulator	GSEL	Ground Support Equipment List
GPTE	General Purpose Test Equipment	GSFC	Goddard Space Flight Center (Greenbelt, MD)
GPU	Ground Power Unit		Glide Slope Indicator
GPUR	GOAL Test Procedure Update Request	GSI	Government Source Inspection
GPWS	General Purpose Work Station		Ground Standard Interface Unit
GR	Ground Rule	GSIU	Ground Support Office
GRE	Gamma Ray Explorer	GSO	Ground Support Operations
GRID	Graphic Retrieval and Information Display		Ground Systems Operations
GRILLE	Grille Spectrometer	GSOC	German Science Operations Center
GRITS	Gamma-Ray Imaging Telescope Study	GSP	Ground Support Personnel
grms	Gravities Route Mean Square		Ground Support Position
GRN	Green	GSRP	Graduate Student Researchers Program
GRO	Gamma Ray Observatory		Ground Support Software
GRTLS	Glide Return to Landing Site	GSS	Ground Support System
	Glide Return to Launch Site		Ground Support Systems Activation
		GSSA	Ground Support Systems Activation
		GSSC	Ground Support Simulation Computer
			Ground Support Systems Contractor
		GSSI	Ground Support System Integration
		GSSS	Guide Star Selection System

GST	Ground System Test	GUL	GSE Utilization List
GSTAR	General Satellite (ELV)	GUSB	Guided Unified S-Band
GSTDN	Ground Space Flight Tracking and Data Network Ground Spacecraft Tracking and Data Network	GV	Gigavolt
GSTF	Ground Systems Test Flow	GVA	GOX Vent Arm
GSU	Gas Servicer Unit	GVO	Gaviota (TACAN Station)
GSVP	Ground Support Verification Plan	GVT	Ground Vibration Test
GT	Greater Than Ground Team Ground Test Gyro Torque	GVTA	Ground Vibration Test Article
GT&A	Ground Test and Acceptance	GW	Gross Weight
GTA	Gas Tungsten Arc Ground Test Access Ground Test Article Ground Torquing Assembly	GWA	General Work Area
GTC	Glycol Trim Console Ground Test Conductor	GWM	Guam (STDN)
GTCU	Ground Thermal Conditioning Unit	GWT	Ground Winds Tower
GTE	General Telephone and Electronics	GYM	Guaymas, Mexico (Remote Site)
GTI	Grand Turk Island Ground Test Instrumentation	GYRO	Gyroscope
GTM	Ground Team Manager Ground Test Motor	GYROA	Gyro A
GTO	Geosynchronous Transfer Orbit	GYROCOMP	Gyrocompassing
GTS	General Test Support GN&C Test Station GNS Test Station		
GTU	Glycol Trim Unit Ground Test Unit		
GTV	Ground Test Verification		
GUCA	Ground Umbilical Carrier Assembly		
GUCP	Ground Umbilical Carrier Plate		
GUID	Guidance		
GUIDO	Guidance Officer		

H

H	Altitude
	Hazardous (Task Classification)
	Head
	Henry (SI Unit)
	High
	Horizontal
	Hot
	Momentum
h	Hours
\dot{H}	Altitude Rate
(H)	Hazardous (Task Classification)
H2	Hawaii
H₂	Hydrogen
H₂O	Water
H-CITE	Horizontal-Cargo Integration Test Equipment
H/E	Heat Exchanger
H/L	Hardline
H/O	Handover
H/S	Heat Shield
H/S IR	Hardware/Software Integration Review
H/T	Heat Treat
H/W	Hardware
HA	Apogee Altitude
	Hazard Analysis
	High Altitude
HAA	High Altitude Abort
HAB	Habitation
HABT	Habitability Technology
HAC	Heading Alignment Center
	Heading Alignment Circle
	Heading Alignment Cone
	Heading Alignment Cylinder

HACBSS	Homestead and Community Broadcasting Satellite Service
HAD	Heat Actuated Device
HAFB	Holloman Air Force Base
HAK	Horizontal Access Kit
HAL	High Order Articulated Language
	High Order Assembly Language
	High Temperature Acoustic Levitator
	Houston Aerospace Language
HAL/S	High Order Assembly Language for Shuttle Flight Computer
	High Order Assembly Language/ Shuttle
	High Order Programming Language for Spacelab Usage
HALEX	Halogen Lamp Experiment
HALOE	Halogen Occultation Experiment
HAM	Height Adjustment Maneuver
HAO	High Altitude Observatory
HAP	Hardware Allocation Panel
HAPI	High Altitude Plasma Instrument
HARP	Hyperbolic Analyzer Retarding Potential
HAS	Holddown Alignment Support
	Hydraulic Actuation System
	Hydrogen Actuation System
HAST	High Altitude Supersonic Target
HAW	Hawaii (STDN)
HB	Handbook
	High Bay
HBR	High Bit Rate
GBT	Heflex Bioengineering Test
HBW	Hot Bridge Wire
HC	Hand Controller
	Head Count
	Hybrid Computer
HCED	Hand Controller Engage Driver

HCF	High Cycle Fatigue HIM Configuration File	HE	Heat Exchange (Exchanger) High Energy Astrophysics
HCL	Horizontal Centerline	He	Helium
HCM	Hard Copy Module	HEAO	High Energy Astronomy Observatory
HCCM	Heat Capacity Mapping Mission	HEAP	High Energy Aim Point
HCR	High Cross Range	HECV	Helium Check Valve (HeCV preferred)
HCS	Hardware Certification Sheet	HEE	Hydrogen Environmental Embrittle- ment
HCSI	Hughes Communications Services, Inc.	HEG	Helium Gauge (HeG preferred)
HCSL	Hybrid Computation and Simulation Laboratory	HEGV	Helium Gauge Valve (HeGV preferred)
HCU	Hydraulic Charging Unit	HEM	Hitchhike Experiment Module
HCV	Hydrogen Check Valve	HEMI	Hemispherical (S-Band Antenna)
HD	Heavy Duty Highly Desirable Holddown Horizontal Drain Hydrogen Drain	HEMV	Helium Manual Valve (HeMV preferred)
HDA	Housekeeping Data Acquisition	HEO	High Energy Orbit
HDC	Hasselblad Data Camera Hybrid Device Controller	HEPA	High Efficiency Particle Accumulator High Efficiency Particle Air (Filter)
HDDR	High-Density Digital Recorder	HER	HIM Equipment Rack
HDG	Heading	HERSCP	Hazardous Exposure Reduction and Safety Criteria Plan
HDOS	Hughes-Danbury Optical Systems, Inc.	HESS	High Energy Squib Simulator
HDP	Holddown Post	HETGS	High Energy Transmission Grating Spectrometer
HDPF	Holographic Data Processing Facility	HETM	Hybrid Engineering Test Model
HDQ	Headquarters	HEX	Heat Exchanger Hexadecimal Hexagon
HDR	High Data Rate	HEXTE	High Energy X-Ray Timing Experiment
HDRA	High Data Rate Assembly	HF	Hard Failure High Frequency Horizontal Flight Hot Firing Hydrogen Fill Hyperfiltration
HDRM	High Data Rate Multiplexer	HFA	High Frequency Accelerometer
HDRR	High Data Rate Recorder		
HDRS	High Data Rate System		
HDRSS	High Data Rate Storage System		
HDS	Hardware Description Sheet		
HDST	Headset		
HDW	Hardware		
HDWE	Hardware		

HFC	Heat Flow and Convection Hydraulic Flight Control	HIC	Hickam Air Force Base, Hawaii (Deorb OPT site)
HFCT	Hydraulic Flight Control Test	HID	Hardware Interface Device
HFCV	Helium Flow Control Valve		HIM Interface Distributor
HFDS	Hydrogen Fluid Distribution System	HIM	Hardware Interface Module
HFE	High Frequency Executive	HIMSS	High Resolution Microwave Spectrometer Sounder
HFM	Hollow Fiber Membrane	HIP	Hardware Interface Program
HFMU	High Fidelity Mockup	HIPC	High Chamber Pressure
HFO	High Frequency Oscillator	HIPO	Heirarchical Input/Process Output Hierarchy Plus Input/Process/Output
HFS	Horizontal Flight Simulator	HISAM	Hardware Initiated Stand Alone Memory
HFT	Horizontal Flight Test	HIST	History
HFTF	Horizontal Flight Test Facility	HITS	High Rate Multiplexer Input/Output Test System
HFTS	Horizontal Flight Test Simulator	HIU	Headset Interface Unit
HFX	High Frequency Transceiver	HIV	Helium Isolation Valve
HG	High Gain Hitchhiker Goddard Mission	HK	Housekeeping
Hg	Mercury	HL	Hardline Heel Line High Level Hinge Line Hydrogen Line
HGA	High Gain Antenna	HLAL	High Level Assembler Language
HGAS	High Gain Antenna System	HLD	Hold
HGDS	Hazardous Gas Detection System High Gradient Directional Solidification	HLDS	Hydrogen Leak Detection System
HGF	Hot Gas Facility	HLLV	Heavy Lift Launch Vehicle
HGM	Hot Gas Manifold	HLMT	Helmet
HGR	Hangar	HLTL	High Level Test Language
HGR&SPTFAC	Hangar and Support Facility	HM	Hinge Mount
HGS	Hydrogen Gas Saver	HMA	Hypergol Maintenance Area
HGV	Hydrogen Gas Valve	HMC	Hybrid Microcircuit Hypergolic Maintenance and Checkout
HGVT	Horizontal Ground Vibration Test	HMCC	Hypergolic Maintenance and Checkout Cell
HH	Herbig-Haro (Object)	HMCF	Hypergolic Maintenance and Checkout Facility
HH-M	Hitchhiker-MSFC		
HHC	Hammer Head Crane		
HHMU	Hand Held Maneuvering Unit		
HI	Hercules Incorporated Hi Load Flash Evaporator High Honeywell, Inc.		

HMD	Helmet-Mounted Display	HPPF	Horizontal Payloads Processing Facility
HMF	Horizontal Mating Facility	HPR	Hydrogen Pressure Regulator
	Hypergol Maintenance Facility	HPRA	Heat Pipe Radiator Assembly
HMP	Hydrozene Monopropellant (RCS Propellant)	HPRV	Hydrogen Pressure Relief Valve
HMS	History Memory System	HPS	Hydraulic Power System
HMU	Hardware Mockup	HPSRM	High Performance Solid Rocket Motor
HMV	Hydrogen Manual Valve	HPT	High Pressure Test
HMX	Cyclotetramethylene Tetranitramine	HPU	Hydraulic Power Unit
HNC	Heavy Nuclei Collector	HPV	Helium Precharge Valve
HNDLER	Handler		High Pressure Valve
HNGR	Hangar	HQ	Headquarters (HDQ Preferred))
HNS	Hexanitrostilbene	HQR	Handling Qualities Rating (Cooper-Harper)
HO	Hydrogen-Oxygen	HR	Historical Record
HOL	High Order Language		Hydrogen Relief
HOLC	High Order Language Computer	hr	Hour (h Preferred)
HORIZ	Horizon, Horizontal	HR&T	Heat Resolution and Transport
HOS	High Order Software	HRAP	High Resolution Accelerometer Package
HOSC	Huntsville Operations Support Center	HRAA	High Rate Acquisition Assembly
HP	Handling Procedure	HRC	Hasselblad Reflex Camera
	Hewlett Packard		High Resolution Camera
	High Presssure	HRD	High Rate Dosimeter
	Hydrogen Purge	HRDA	High Rate Data Assembly
	Perigee Altitude	HRDI	High Resolution Doppler Image
HPCG	Hand-Held Protein Crystal Growth	HRDM	High Rate Demultiplexer
HPF	Horizontal Processing Facility (O&C)	HRDR	High Rate Digital Recorder
HPFD	High Pressure Fuel Duct	HRDS	High Rate Data Station
HPFTP	High Pressure Fuel Turbopump	HRIA	High Resolution Imager Assembly
HPG	High Pressure Gas	HRIR	High Resolution Infrared Radiometer
HPGS	High Pressure Gas System	HRIS	High Resolution Imaging Spectrometer
HPI	High Performance Insulation	HRL	Horizontal Reference Line
HPICS	Heat Pipe Instrument Control System	HRM	High Rate Multiplexer
HPM	High Performance Motor		High Ratio Multiplier
HPOP	High Pressure Oxidizer Pump	HRMA	High Resolution Mirror Assembly
HPOT	High Pressure Oxidizer Turbopump		
HPOTP	High Pressure Oxidizer Turbopump		

HRMMR High Resolution Multifrequency
Microwave Radiometer

HROS High Resolution Objective
Spectrometer

HRPS Hazard Reduction Precedence
Sequence

HRPT High Resolution Picture Transmission

HRS High Resolution Spectrograph
Hours

HRSI High Temperature Reusable Surface
Insulation

HRSO High Resolution Solar Observatory

HRT High Resolution Tracker

HRTS High Resolution Telescope and
Spectrograph

HS Heat Shield
High Speed
Horizon Sensor

HS-C Hamilton Standard CO₂ Absorbent
Material

HSC Hardware/Software Coordination

HSCU Hydraulic Supply and Checkout Unit

HSD Hamilton Standard Division
High Speed Data
Horizontal Situation Display

HSDL High Speed Data Line

HSF Hypergol Servicing Facility

HSG High Sustained G's Acceleration

HSI Horizontal Situation Indicator

HSK Horizontal Sling Kit

HSL Hardware Simulation Laboratory

HSM HOSC Shuttle Manager

HSNG Housing

HSO Habitation/Station Operations

HSOM Habitation/Station Operations Module

HSP Health Stabilization Program
High Speed Photometer
High Speed Printer

HSR Hardware Status Register
High Speed Reader

HSS High Stress Strain
Hydraulic Subsystem Simulator

HST Hubble Space Telescope

HSTP Hard Stop

HSU Helium Service Unit

HT Heat Transfer
Height
High Technology

HT EXCH Heat Exchanger

HTC Hybrid Technology Computer

HTG Heating

HTGPF High Temperature General Purpose
Furnace

HTLL High Test Level Language

HTM High Temperature

HTPB Hydroxyl Terminated Polybutadiene
(Propellant)
Hydroxyl Terminated Polybutylene

HTR Heater

HTS Heat Transfer System
Heat Transport Section
High Temperature Superconductivity

HUD Head Up Display

HUDE Head Up Display Electronics

HUL Hardware Utilization List

HUM Humidity

HUP Horizon Ultraviolet Program

HUS Hypergolic Umbilical System

HUT Hard Upper Torso
Hopkins Ultraviolet Telescope

HV	High Velocity
	High Voltage
	Hydrogen Vent
HVAC	Heating, Ventilating, and Air Conditioning
HVDS	Hypergolic Vapor Detection System
HVODS	HOSC Voice Operational Data Switch
HVPS	High Voltage Power Supply
HVR	Hover
HVSF	Honeywell Verification Simulation Facility
HVSL	Holidays, Vacation, and Sick Leave
HW	Hardware
	Headwind
	Hotwire
HW/SW	Hardware/Software
HWWS	Hyperfiltration Wash Water Recovery System
HX	Heat Exchanger
HXIS	Hard X-Ray Imaging Spectrometer
HYD	Hydraulic Subsystem
	Hydraulics
HYGL	Hypergolic
HYPACE	Hybrid Programmable Attitude Control Electronics
Hz	Hertz (Cycles Per Second)
HZE	Highly Charged and Energetic Particles

I

I	Inertias	I/V	Inlet Valve
I	Inner	IA	Implementation Agency
I	Iodine		Input Axis
I	Irradiated		Inverter Assembly
I LOAD	Initialization Load		Issuing Agency
I&C	Installation and Checkout	IA/V	Internal Audio and Video
	Instrumentation and Communication	IAA	International Aerospace Abstracts
	Instrumentation and Control	IAB	IUS Assembly Building
I&C/O	Installation and Checkout	IAC	Integrated Analysis Capability
I&PS	Institutional and Program Support		Interface Adapter Unit
I&O	Inlet and Outlet	IACS	Inertial Attitude Control System
I&R	Interchangeability and Replaceability	IAD	Interface Agreement Document
	Interchangeability and Replacement		Interface Analysis Document
I&RS	Instrument and Range Safety	IAL	Immediate Action Letter
I&S	Interchangeability and Substitutability		International Algebraic Language
I&T	Integration and Test	IandC	Instrument and Communication
I-GPRF	Isothermal General Purpose Rocket	IARS	Independent Air Revitalization System
	Furnace	IAS	Impact Assessment Sheet
I-LOS	Initial Data Load		Indicated Airspeed
I/A	Interface Adapter		Integrated Avionics System
I/C	Intercom	IASS	Inverter/ATCS Support Structure
I/E	Input Electronics	IAT	Integrated Avionics Test
I/F	Interface	IAU	International Astronomical Union
I/FU	Interface Unit	IAV	Inventory Adjustment Voucher
I/O	Input/Output	IB	Inboard
I/OB	Input/Output Bus		Inert Building
I/OC	Input/Output Controller		Instruction Book
I/OMI	Integration/Operations and	IBF	Internally Blown Flap
	Maintenance Instruction	IBM	International Business Machines
I/OP	Input/Outboard Profile	IBSE	Initial Blood Storage Experiment
I/OT	Input/Output Test	IBSS	Infrared Background Signature Survey
I/OU	Input/Output Unit		
I/P	In Progress		
I/T	Intertank		

IC	Incremental Cost	ICIO	Interim Cargo Integration Operations
	Information Center	ICMO	Integrated Configuration Management Office
	Initial Condition	ICMS	Indirect Cost Management System
	Integrated Circuit		Integrated Configuration Management System
	Intercom (Orbiter to Ground via Hardline)		Intercom Master Station
	Intercommunications	ICMT	Intercontract Material Transfer
	Intercomputer	ICO	Integrated Checkout
	Interim Change	ICOM	Intercommunications
	Internal Combustion	ICOS	Improved Crew Optical Sight
	Ion Chamber	ICOU	Inertial Coupling Data Unit
IC/ES	Intercommunication/Emergency Station	ICP	ICS Control Program
ICA	Item Change Analysis		Inventory Control Point
ICAO	International Civil Aviation Organization	ICR	Instruction Change Request
ICAR	Investigation and Corrective Action Report		Interface Compatibility Record
ICB	Interim Change Bulletin	ICS	Instrumentation Control System
	Interrupt Control Block		Integrated Checkout Station
ICBC	IMAX Cargo Bay Camera		Intercommunication System
ICC	Intercomputer Channel		Interface Control Specification
	Intercomputer Communication		Interpretive Computer Simulator
	Interface Control Chart	ICT	Influence Coefficient Tests
	Interstate Commerce Commission		Interface Control Tooling
ICCB	Integrated Change Control Board	ICTC	Inertial Components Temperature Controller
ICCP	Interface Coordination and Control Procedure	ICU	Interface Control Unit
ICD	Interface Control Document	ICW	Interrupted Continuous Wave
	Interface Control Drawing	ICWG	Interface Control Working Group
ICDR	Incremental Critical Design Review	ID	Identification
ICDU	Inertial Coupling Data Unit		Identification Data
ICE	Input Control Element		Inside Diameter (id preferred)
	Instrument Checkout Equipment		Interface Document
	Instrument/Communication Equipment	ID&CA	Inverter Distribution and Control Assembly
ICF	Interface Control Function	IDA	Interface Display Assembly
ICG	In-Flight Coverall Garment	IDAC	Integrated Digital-Analog Converter
ICH	Interchanger	IDAS	Integrated Data Acquisition System

IDB	Insult Drink Bag	IEA	Integrated Electronic Assembly
IDC	IMBLMS Digital Computer Integrated Displays and Controls Interface Document Control	IECM	Induced Environment Contamination Monitor
IDCA	Image Disector Camera Assembly Inverter Distribution and Control Assembly	IECO	Inboard Engine Cutoff
IDD	Interface Definition Document(s)	IECS	Igloo Environment Control Subsystem
IDE	Initial Design Evaluation	IED	Interacting Equipment Documents
IDG	Integrated Drive Generator	IEEE	Institute of Electrical and Electronic Engineer
IDGE	Isothermal Dendritic Growth Experiment	IEF	Isoelectric Focusing Experiment
IDI	Instrumentation Data Items	IEP	Instantaneous Effective Photo Cathodes
IDMM	Intermediate and Depot Maintenance Manual	IF	Inertial Fusion Integration Facility Intermediate Frequency
IDO	Interdivisional Operations	IFA	In-Flight Analyses Interface Functional Analysis
IDP	Integrated Data Processor	IFASC	Integrated Functions Assessment Steering Committee
IDPS	Interface Digital Processor	IFB	Invitation for Bid
IDR	Initial Design Review Interim Design Review Interim Discrepancy Report Intermediate Design Review	IFM	In-Flight Maintenance
IDRD	Information Definition Requirements Document Internal Data Requirement Description	IFO	Information Systems Office
IDS	Interdisciplinary Scientist Interface Data Sheet Item Description Sheet	IFOT	In-Flight Operations and Training
IDSD	Institutional Data System Division (JSC)	IFR	Instrument Flight Rules
IDSO	Interdivisional Sales Order	IFRU	In-Flight Replacement Unit
IDT	I-Load Data Tape	IFT	In-Flight Test Interface Tool
IDTA	Interdivisional Technical Agreement	IFTM	In-Flight Test Maintenance
IDU	Interface Demonstration Unit	IFTS	In-Flight Test System
IDWA	Interdivisional Work Authorization	IFU	Interface Unit
IE	Industrial Engineering Ionospheric Explorer	IG	Igloo Inertial Guidance Inner Gimbal Instrument Ground Instrumentation Group
		IGA	Inner Gimbal Angle
		IGAX	Inner Gimbal Axis

IGBP	International Geosphere-Biosphere (or Global Change) Program	ILS	Instrument Landing System
IGDS	Integrated Graphics Design System		Integrated Logistics Support
	Iodine Generating and Dispensing System		Integrated Logistics System
IGES	Initial Graphics Exchange Software	ILS/LAR	Integrated Logistics System and Logistics Assessment Review
IGI	Industrial Guest Investigation	ILSP	Integrated Logistics Support Plan
IGM	Interactive Guidance Mode	ILSSE	Integrated Life Science Shuttle Experiments
	Iterative Guidance Mode	IM	Information Memory
IGN	Ignition, Ignite		Inner Maker
IGOR	Intercept Ground Optical Recorder		Instrument Module
IGS	Inertial Guidance System		Interface Module
	Inner Glideslope		Interim Mission
IGSE	In-Space Ground Support Equipment		Intermediate Moisture
	Instrument Group Support Equipment	IMAP	Integrated Mission Analysis Planning
	Integrated Ground Support Equipment	IMAX	Shuttle Cabin Camera (Manufactured by IMAX, Inc.)
IGV	Inlet Guide Valve/Vanes	IMBLMS	Integrated Medical Behavioral Laboratory Measurement System
IGY	International Geophysical Year	IMC	Image Motion Compensation
IH/SR	Integration Hardware and Software Review	IMCC	Integrated Mission Control Center
IHP	Indicated Horsepower (ihp preferred)	IMCE	Image Motion Compensation Electronics
IHTV	Interim Hypersonics Test Vehicle	IMCP	Integrated Monitor and Control Panel
IHX	Interloop Heat Exchanger	IMD	Intermediate
II	Implementation Instructions	IMDB	Integrated Maintenance Data Base
IIA	Instrument Integration Agreement	IME	International Magnetospheric Explorer
IIS	Inspection Item Sheet	IMF	Inventory Master File
IITCS	Igloo Internal Thermal Control Section	IMIC	Integrated Management Information Computer
ILA	Instrument Landing Approach	IML	Inside Mold Line
ILAS	Instrument Landing Approach System		International Microgravity Laboratory
ILC	Initial Launch Capability	IMP	Initial Memory Protection
	Intermediate Loads Cycle		Interplanetary Monitoring Platform
	International Latex Corporation	IMPD	Impedance
ILCCS	Integrated Launch Control and Checkout System	IMPL	Implement
ILLUM	Illuminate	IMPLS	Impulse
ILP	Integrated Logistics Panel		
ILRV	Integral Launch and Reentry Vehicle		

IMS Information Management System
 Institutional Management Support
 Inventory Management System
IMSL Intermediate Seal
IMU Inertial Measurement Unit
 Internal Measurement Unit
IN Information Systems Directorate
 (KSC)
 Inlet
in Inch
INBD Inboard
INBIT Input Bit
INC Incomplete
 Increase
 Installation Notice Card
 Installation Notification Certificate
INCL Inclination
 Include
INCLN Incline
INCO Inconel (nickel, chromium, and iron)
 Instrumentation and Communication
 Officer
INCR Increase
 Increment
IND Indicate, Indicator
 Industrial
INDAT Incoming Data
INF Infinite
INFT Informal Training
INH Inhibit
INIT Initial
 Intiate
INJ Inject
INL Inlet
INMARSAT
 International Maritime Satellite
INOP Inoperative

INP Input
INR Inertial Reference
INRTL Inertial
INRTL VEL
 Inertial Velocity
INS Inertial Navigation System
 Insertion Burn, OMS1
INSAT Indian National Satellite
INSL Insulate
INSP Inspect, Inspection
INSPEX Indonesia Space Experiment
INSRP Interagency Network Safety Review
 Panel
INST Instrument
INST SYS Instrumentation System
INST/COMM
 Instrumentation and Communication
INSTL Install, Installation
INSTL&C/O
 Installation and Checkout
INSTR Instruct
 Instrument, Instrumentation
INSTRUM Instrumentation Subsystem
INT Integrated Test
 Intensity
 Internal
INTASAT Instituto Nacional De Technica
 Aeroespacial Satellite
INTC/O Integrated Checkout
INTCHG Interchange
INTCHGR Interchanger
INTCP Intercept
INTEGR Integrate, Integration
INTELSAT International Telecommunications
 Satellite Organization
INTEROG Interrogate
INTF Interface

INTG	Integration	IOPL	Integrated Open Problem List
INTLK	Interlock	IOQE	Input/Output Queue Element
INTR	Interior	IOS	Indian Ocean Ship (STDN)
INTRG	Interrogate		Indian Ocean STDN Site
INTRLVR	Interleaver		Input/Output Supervision
INTRPT	Interrupt		Instructor Operator Station
INTV	Interim Hypersonics Test Article	IOSC	Integrated Operations Support Center
INTVL	Interval	IOSS	Integrated Orbital Service System
INTVLM	Intervalometer	IOU	Input/Output Unit
INV	Inverter	IP	Identification of Position
INV MGT	Inventory Management		Igloo Pallet
IO	Industrial Operations (MSFC)		Impact Point
IOA	Input/Output Adapter		Inertial Processing
	Input/Output or Assembly		Instructor Pilot
IOB	Input/Output Box		Instrumentation Payload
	Input/Output Buffer		Instrumentation PCM Data Bus
	Input/Output Buffer (if Bus ≠)		Intermediate Pallet
IOBPS	Input/Output Box and Peripheral Simulator		Intermediate Pressure
IOC	Indirect Operating Costs	IPA	Intergovernmental Personnel Action
	Initial Operational Capability	IPACS	Integrated Power and Attitude Control System
	Initial Operating Capability	IPAD	Integrated Program for Aerospace Vehicle Design
	Input/Output Controller	IPAS	Integrated Problem Assessment
IOCM	Interim Operational Contamination Monitor	IPB	Illuminated Push Button
IOCU	Input/Output Control Unit		Illustrated Parts Breakdown
IOE	Input/Output Error Log Table	IPC	Imaging Proportional Counter
IOF	Initial Operational Flight		Intermittent Positive Control
IOM	Input/Output Module	IPCL	Instrumentation Program and Component List
IONS	Studies of the Ionization States of Solar and Galactic Cosmic Ray Heavy Nucleii	IPD	Information Processing Division
		IPDR	Incremental Preliminary Design Review
IOP	In-Orbit Plane	IPE	Industrial Plant Equipment
	Input/Output Port	IPF	IUS Processing Facility
	Input/Output Processor	IPI	Instrument Principal Investigator
	Integrated Operation Plan		
	Internal Operating Plan		

IPL	Indentured Parts List Initial Program Load Integrated Payload	IRANSAT	Iranian Government Communications Satellite (replaces IRAN)
IPMP	Investigation Into Polymer Membrane Processing	IRAR	Internal Variable
IPOTP	Integrated Payload Operations Training Plan	IRAS	Infrared Astronomy Satellite
IPR	Interim Problem Report	IRCFE	Infrared Communication Flight Experiment
IPRD	Integrated Payload Requirements Document	IRD	Information Requirements Document Initiating Reference Document Integrated Receiver Decoder Integration Requirements Document Interface Requirements Document
IPRR	Integrated Payload Requirements Review	IRG	Inertial Rate Gyro
IPS	Inches Per Second (in/s preferred) Instrument Pointing System (Subsystem) Instrumentation Power Subsystem Integral Propulsion Subsystem Interface Problem Sheets International Pipe Standard Inverter Power Supply	IRIG	Inertial Rate Integrating Gyro Inertial Reference Integrating Gyro Interrange Instrumentation Group
IPSE	INSAT Payload Specialist	IRIG-B	Interrange Instrumentation Group B
IPSL	Interface Problem Status Log	IRIS	Italian Research Interim Stage
IPT	In-Plant Transporter International Pipe Thread	IRL	Initiating Reference Letter Interface Requirement List
IPTCS	Igloo Passive Thermal Control Section	IRME	Initiator Resistance Measuring Equipment
IR	Inclination of the Ascending Return Infrared Inner Roll Gimbal Inside Radius International Rendezvous	IRN	Interface Revision Notice
IR&D	Independent Research and Development	IRR	Inspection Rejection Report Integral Rocket Ramjet Integration Readiness Review
IR SPECT	Infrared Spectrometer	IRS	Integrated Radiator System
IRAC	Interdepartmental Radio Advisory Committee	IRT	Infrared Telescope Integrated Rendezvous Target
IRAN	Inspection and Repairs as Necessary	IRTCM	Integrated Real-Time Contamination Monitor
		IRU	Inertial Reference Unit
		IRV	Isotope Reentry Vehicle
		IS	Installation Support Interconnecting Station
		ISA	Interim Stowage Assembly
		ISAC	Intelestat Solar Array Coupon

ISAI AH	Israel Space Agency Investigation About Hornets	ISRO	Indian Space Research Organization
ISC	Initial Software Configuration Map	ISS	Inertial Subsystem
ISCCP	International Satellite Cloud Climatology		Inhibit/Override Summary Snapshot Display
ISD	Instructional Systems Development (USAF)		Installation Support Services
ISDS	Inadvertent Separation Destruct Subsystem		Instruction Summary Sheet
ISEE	International Sun-Earth Explorer	ISSL	Integrated Support Stand
ISF	Industrial Space Facility		Integrated System Schematic
ISI	Initial Systems Installation		IRIS Spinning Stage
	Instrumentation Support Instruction	IST	Initial Spares Support List
ISIL	Interim Support Items List		Instrumentation Support Team
ISIS	International Satellite for Ionospheric Studies	ISTA	Integrated Systems Test
ISL	Inertial Systems Laboratory		Intertank Structural Test Assembly
ISL/LAR	Integrated Logistics System and Logistics Assessment Review	ISTB	Integrated Subsystem Test Bed
ISLM	Integration Shop/Lab Manager	ISTF	Integrated System Test Flow
ISLSCP	International Satellite Land Surface Climatology Project	ISTP	International Solar Terrestrial Project
ISN	Information System Network	ISU	Instrument Switching Unit
ISO	Imaging Spectrometric Observatory		International Systems of Units
	Information Systems Office	ISY	International Space Year
	International Standardization Organization	IT	Identification Transponder
ISOC	Institutional Safety Office Contact		Installation Test
ISOL	Isolate, Isolation	ITA	Integrated Test Area
ISP	Specific Impulse		International Television Academy
	Imaging Spectro-Photometer	ITAP	Integrated Technical Assessment Panel
	Information Systems Office	ITC	Igloo Thermal Control
	Instrumentation Support Plan	ITE	Instrumentation Test Equipment
	Integrated Support Plan		Integration Test Equipment
ISPG	Institutional Support Planning Group	ITI	Intersite Transportation Equipment
ISPM	International Solar Polar Mission	ITL	Inspection and Test Instruction
ISR	Initial System Release	ITMG	Integrate, Transfer, and Launch
			Integrated Thermal/Micrometeoroid Garment
		ITO	Integration and Test Order
		ITRDS	Integrated Test Requirements Documents

ITS	Instrumentation Telemetry Station Interim Teleprinter System
IU	Instrument Unit Interface Unit
IUA	Inertial Unit Assembly Interface Unit Adapter
IUCS	Instrumentation Unit Update Command System Instrumentation Update Command System
IUE	Interface Unit Error Count Table International Ultraviolet Explorer
IUS	Inertial Upper Stage (was Interim Upper Stage) Interim/Intermediate Upper State Interim Use Sheet Interior Upper Stage
IV	Initial Velocity Integrated Vehicle Interface Volume Intravehicular
IVA	Intravehicular Activity
IVAK	Igloo Vertical Access Kit
IVAR	Internal Variable
IVBC	Integrated Vehicle Baseline Configuration
IVC	Intervehicular Communications
IVE	Interface Verification Equipment
IVL	Intervalometer
IVSI	Instantaneous Vertical Speed Indicator
IVT	Interface Verification Test Intervehicular Transfer
IVTE	Integration and Verification Test Environment
IWBS	Indirect Work Breakdown Structure
IWG	Interface Working Group Investigator Working Group

J

J	Joule (SI Unit)	JOIP	Joint Operations Interface Procedure
J/M	Jettison Motor	JOP	Joint Operating Procedure
JACEE	Japanese-American Cooperative Emulsion Experiment		Jupiter Orbiter Probe—Galileo
JACD	Joint Architectural Control Document	JOR	Job Order Request
JAD	Joint Assembly Demonstration	JOVIAL	Joules Own Version International Algebraic Language
JAEIC	Joint Atomic Energy Intelligence Committee	JOV	Joint Venture
JAN	Joint Army-Navy	JP	Jet Propellant
JANNAF	Joint Army, Navy, NASA, and Air Force		Jet Propulsion
JAS	Journal of Aerospace Science Journal of Atmospheric Science	JPC	Joint Power Condition
JB	Junction Box	JPDRD	Joint Program Definition and Require- ments Document
JCL	Job Control Language	JPIC	Joint Program Integration Committee
JCP	Joint Power Conditions	JPL	Jet Propulsion Laboratory
JCT	Junction	JPOC	JSC Payload Operations Center
JEA	Joint Endeavor Agreement	JPP	Joint Program Plan
JED	Julian Ephemeris Data	JRB	Joint Review Board
JELM	Japanese Experiment Logistics Module	JSC	Johnson Space Center (formerly MSC)
JEM	Japanese Experiment Module	JSCM	JSC Manual
JES	Joint Environment Simulator	JSI	Jet Select Logic
JETS	Joint Electronic Type (Designation) System	JSLWG	Joint Spacelab Working Group
JETT	Jettison	JST	Joint Systems Test
JGR	Journal of Geophysical Research	JTA	Job Task Analysis
JIR	Job Improvement Request	JTG	Joint Training Group
JIS	Joint Integrated Simulation	JU	Joint Use
JO	Job Order	JULIE	Joint Utilization of Laser Integrated Experiments
JOC	Joint Operations Center	JURG	Joint Users Requirements Group
JOD	Joint Occupancy Data Joint Occupancy Date		
JOFOC	Justification for Other Than Full and Open Competition		

K

K	Kelvin
	One Thousand (k preferred)
k	Kilo (1,000)
K&H	Memory Time Value
K-APM	KSC Automated Payloads Plan/ Requirement
K-APN	KSC Automated Payloads Notice
K-APPS	KSC Automated Payloads Project Specification
K-BAND	10,900 to 36,000 MCS
K-CITEM	KSC CITE Plan/Requirement
K-DODM	KSC DOD Plan/Requirement
K-DPM	KSC DOD Payloads Plan/Requirement
K-DPN	KSC DOD Payloads Notice
K-DPPS	KSC DOD Payloads Project Specifica- tion
K-IUSM	KSC IUS Plan/Requirement
K-IUSN	KSC IUS Notice
K-IUSPS	KSC IUS Project Specification
K-MMSEM	KSC MMSE Plan/Requirement
K-MMSEN	KSC MMSE Notice
K-MMSEPS	KSC MMSE Project Specification
K-SLM	KSC Spacelab Plan/Requirement
K-SLN	KSC Spacelab Notice
K-SLPS	KSC Spacelab Project Specification
K-SM	KSC Shuttle Management Document
K-SPN	KSC Shuttle Project Notice
K-SPS	KSC Shuttle Project Specification
K-SSS	KSC Shuttle Project Station Set Specification
K-STSM	KSC STS Plan/Requirement
K-STSN	KSC STS Notice
K-STSPS	KSC STS Project Specification
K/S	Kick Stage

KAD	Kadena AB, Ryuku Islands (Deorb OPT Site)
KAPL	KSC Approved Parts List
KATE	Knowledge-Based Automatic Test Equipment (KSC's)
KATS	Kennedy Avionics Test Set
KAU	Kilo Accounting Unit
KB	Keyboard Kilobit
KBAC	Kennedy Booster Assembly Contractor
KBIM	Keyboard Interface Module
KBPS	Kilobits Per Second
KBU	Keyboard Unit
kc	Kilocycle
kcal	Kilocalorie
KCAS	Knots Calibrated Airspeed
KCRT	Keyboard Cathode Ray Tube
KCS	Keyboard Configuration Studies
KDMS	Kennedy Data Management System(s)
KDN	Kinetically Designed Nozzle
KDT	Keyboard and Display Test
KDU	Keyboard and Display Unit
KEAS	Knots Equivalent Airspeed
kg	Kilogram
kgal/min	Kilogallons Per Minute
KHB	KSC Handbook
kHz	Kilohertz
KIAS	Knots Indicated Airspeed
KIMS	Kennedy Inventory Management System
KIP	Keyboard Input Processor
KIS	Kitting Instruction Sheet
KITE	Kinetic Isolation Tether Experiment
klb	Kilopound
km	Kilometer
KMI	KSC Management Instruction

KMR	Kwajalein Missile Range
KMS	K-Words X Millions of Seconds
KN	Kitting Notice
	KSC Notice
KNO	Kano, Nigeria (Remote Site)
KOI	KSC Operation Instruction
KOM	KSC Organizational Manual
KOPS	Thousand of Operations Per Second
KPD	KSC Program Directive
KPNO	Kitt Peak National Observatory
KPPS	Kilopulses Per Second
KPRD	KSC Program Requirements Document
KPS	Kilometers Per Second
KSA	Ku-Band Single Access
KSC	John F. Kennedy Space Center
KSCAP	Kennedy Space Center Area Permit
KSDN	Kennedy Switched Data Network
KSSS	KSC Station Set Specification
KT	Kit
	Knots
KU	Keyboard Unit
KU-BAND	15.250 to 17.250 GHz
KUSP	Ku-Band Signal Processor
	Ku-Band Single Processor
kV	Kilovolt
kVA	Kilovoltampere
kW	Kilowatt
kWh	Kilowatt Hours
KYBD	Keyboard

L

L	Launch	LACIE	Large Area Crop Inventory Experiment
	Left	LACIP	Large Area Crop Inventory Program
	Length	LAD	Large Area Detector
	Level	LADFU	Large Area Detector Flight Unit
	Liter	LAGEOS	Laser Geodynamic Satellite
	Low	LAGEOS-2	Laser Geodynamics Satellite-2
	Lumen	LAGEOS	Launch Abort Guide Simulation
L&C	Laboratory and Checkout	LAIR	Liquid Air
L&D	Landing and Deceleration	LAIU	Launch Abort Interface Unit
L&L	Launch and Landing	LAMAR	Large Amplitude Modular Array
L&S	Logistics and Support	LAN	Local Area Network
L&T	Laboratory and Test	LANS	Local Area Network System
L-2	Launch Minus 2 Days	LAPC	Large Area Proportional Counter Array
L-BAND	390 to 1,550 MHz	LAPS	Left Aft Propulsion System (Subsystem)
L-L	Line-to-Line	LaRC	Langley Research Center (Hampton, VA)
L-P	Low Pressure	LARS	Laminar Angular Rate Sensor
L/D	Length-to-Diameter Lift-to-Drag (Ratio)	LARSSYAA	Laboratory for Application of Remote Sensing System for Aircraft Analysis
L/H	Local Horizontal	LAS	LAGEOS Apogee Stage
L/O	Lift-Off	LASCOT	Large Screen Color Television System
L/S	Landing Site Load System	LASER	Learning About Science, Engineering, and Research
L/T	Load Test	LASP	Laboratory for Atmosphere and Space Physics
LA	Lanthanum Launch Abort Launch Aft Launch Area Launch Azimuth Lightning Arrester Low Attitude	LASV	Low Altitude Supersonic Vehicle
LAAD	Los Angeles Aircraft Division (Rockwell)	LAT	Large Angle Torque Latch Lateral Latitude Lot Acceptance Test
LACB	Landing Aids Control Building (SLF at KSC)	LATS	LDEF Assembly and Transportation System
		LAWS	Laser Atmospheric Wind Sound Lidar Atmospheric Wind Sounder

LB	Launch Boost	LCOM	Logic Control Output Module
	Launch Bus	LCR	Launch Control Room
	Load Bank		Low Cross Range
	Low Bay	LCS	Laser Communications Subsystem (System)
	Lower Brace		Launch Control System
lb	Pound		List of Command Signals
LBDT	Low Bay Dolly Tug	LCT	Launch Countdown
LBK	Left Bank	LCU	Line Coupling Unit
LBL	Left Buttock Line	LCUG	Liquid Cooling under Garment
LBM	Liquid Boost Module	LCVG	Liquid Cooling and Ventilation Garment
	Load Buffer Memory	LCXT	Large Cosmic X-Ray Telescope
LBNPD	Lower Body Negative Pressure Device	LD	Lateral Direction
LBR	Low Bit Rate		Loading Dock
LC	Launch Complex	LDB	Launch Data Bus
	Launch Countdown		Logistics Data Bank
	Launch Critical	LDEC	Lunar Docking Events Controller
	Left Center	LDEF	Long Duration Exposure Facility
LC-39	Launch Complex 39 (A or B)	LDG	Landing
LCA	Launch Control Amplifier	LDI	Low Density Indication
	Load Controller (Control) Assembly	LDIU	Launch Data Interface Unit
LCB	Least Common Bit	LDMK	Landmark
LCC	Launch Commit Criteria	LDR	Large Deployable Reflector
	Launch Control Center		Low Data Rate
	Life Cycle Costs	LDS	Landing/Deceleration Subsystem
LCCD	Launch Commit Criteria Document		Landing, Deservicing, and Safing
LCCEV	Low Cost Cryogenic Expendable Vehicle		Laser Docking Sensor
LCD	Launch Countdown		Loads
LCF	Low Cycle Fatigue	LDT	Linear Displacement Transducer
LCG	Liquid Cooled Garment	LDV	Laser Doppler Velocimeter
LCH	Latch	LE&S	Logistics Engineering and Support
	Launch	LE	Launch Escape
LCHTF	Low Cycle High Temperature Fatigue		Leading Edge
LCL	Local	LEA	Logistics Engineering Analysis (Analyses)
LCM	Least Common Multiple	LEA SAT	Leased Communications Satellite
LCMS	Low Cost Modular Spacecraft		
LCO	MMC Uniform Central Number		

LEB	Lower Equipment Bay	LH	Left Hand
LEC	Lockheed Electronics Company	LH₂	Liquid Hydrogen
LED	Light Emitting Diode	LHA	Local Hour Angle
LEH	Launch/Entry Helmet	LHC	Left Hand Circular
LEM	Laboratory Environment Model	LHCP	Left Hand Circular Polarization
	Launch Escape Monitor		Left Hand Circularly Polarized
LEO	Low Earth Orbit	LHe	Liquid Helium
LER	Long Eye Relief (Optics)	LHP	Left Hand Panel
LeRC	Lewis Research Center (Cleveland, OH)	LHS	Left Hand Side
LES	Launch Entry Suit	Li	Lithium
	Launch Equipment Shop	LIB	Left Inboard
	Launch Escape Subsystem	LIC	Load Interface Circuit
LESS	Leading Edge Structure Subsystem	LID	Leadless Inverted Device
	Leading Edge Subsystem		Logistics Identification Document
LET	Linear Energy Transfer	LIDAR	Laser-Radar
LETF	Launch Equipment Exposure Facility	LIE	Left Inboard Elevon
	Launch Equipment Test Facility	LIM	Limit
LETGS	Low Energy Transmission Grating Spectrometer	LIMRIC	LRU Identification and Maintenance Requirements Catalog
LF	Launch Facility	LIMS	Light Ion Mass Spectrometer
	Launch Forward		Logistics Inventory Management System
	Left Forward	LIN	Linear
	Load Factor		Liquid Nitrogen
	Low Frequency	LINJET	Liquid Injection Electric Thruster
LFAF	Low Frequency Accelerometer Flutter	LINS	Laser Inertial Navigation System
LFAM	Low Frequency Accelerometer Modes	LiOH	Lithium Hydroxide
LFAP	Low Frequency Accelerometer Pogo	LIQ	Liquid
LFC	Large Format Camera	LIS	Lightning Imaging Sensor
LFO	Low Frequency Oscillator		Logistics Information System
LFOP	Landing and Ferry Operations Panel	LITE	Lidar in Space Technology Experiment
LFRR	Low Frequency Radio Range	LK	Leak
LG	Landing Gear		Lock
	Length		
LGA	Low Gain Antenna		
LGAS	Low-G Accelerometer System		
LGIU	Laser Gyro Interface Unit		

LL	Landline	LN₂	Liquid Nitrogen
	Launch and Landing	LNCH	Launch
	Launch Left	LNDG	Landing
	Level Lock	LNG	Liquefied Natural Gas
	Long Lead	LO	Launch Operations
	Long Line		Local Oscillator
	Low Level		Lock-On
	Lower Left	LO₂	Liquid Oxygen
	Lower Limit	LOA	Landing Operations Area
LLCF	Launch and Landing Computational Facilities		Launch Operations Area
LLI	Limited Life Item	LOAP	List of Applicable Publications
LLIL	Long Leadtime Items List	LOB	Left Outboard
LLL	Latitude/Longitude Locator		Line of Balance
LLNL	Lawrence Livermore National Laboratory	LOC	Launch Operations Complex
LLOS	Landmark Line-of-Sight		Localizer
LLP	Launch and Landing Project		Location
LLPO	Launch and Landing Project Office		Logistics Operations Center
LLS	Launch and Landing Site	LOCC	Launch Operations Control Center
LLT	Long Leadtime	LOD	Launch on Demand
LM	Left Mid	LOE	Left Outboard Elevon
	Long Module		Level of Effort
LME	Launch Monitor Equipment		Line of Effort
LMF	Levitation Microfurnace	LOFAR	Low Frequency Acquisition and Ranging
	Lower Mid-Fuselage	LOFO	Low Frequency Oscillation
LMG	Left Main Gear	LOGO	Limit of Government Obligation
LMK	Landmark	LOI	Lunar Orbit Insertion
LMP	List of Measurement Points	LOL	Limit of Liability
LMRT	Logistics Management Responsibility Transfer	LOLI	Limited Operational-Life Items
LMS	Lightning Mapper Sensor	LON	Longitude
	Load Measurement System	LONG	Longitude (long. preferred)
	Logistics Master Schedules	LOR	Lunar Orbit Rendezvous
LMSC	Lockheed Missiles and Space Corporation	LORA	Level of Repair Analysis
LN	Line	LORAN	Long Range Navigation

LOS	Line-Off Simulator Line of Sight Loss of Signal Loss of Sync	LPTTL	Low Power Transistor-Transistor Logic
LOSM	Launch Operations Support Manager	LPW	Lumens Per Watt
LOT	Lift-Off Time	LR	Landing Radar Launch Right Left Rudder Lower Right
LOV	Limit of Visibility Loss of Visibility	LR/LD	Line Receiver/Line Driver
LOWG	Landing Operations Working Group Launch Operations Working Group	LRECL	Logical Records of Fixed Length
lox	Liquid Oxygen (LO ₂)	LRF	Liquid Rocket Fuel
lox/LH₂	Liquid Oxygen/Liquid Hydrogen	LRI	Low Resolution Imager
LOXT	Large Orbital X-Ray Telescope	LRO	Large Radio Observatory
LP	Launch Pad Liquid Propellant Low Pressure	LRR	Launch Readiness Review
LPD	Landing Point Designator Launch Procedure Document	LRS	Low Resolution Spectrometer Low Response System
LPDM	List of Physical Dimensions	LRSI	Low Temperature Reusable Surface Insulation
LPF	Low Pass Filter	LRU	Line Replaceable Unit
LPFT	LOPW Pressure Fuel Turboprop	LRV	Launch Readiness Verification Long Range Video
LPFTP	Low Pressure Fuel Turbopump	LS	Landing Side Launch Sequence Left Side Life Science Limit Switch
LPG	Last Page Generator (Distribution List Used in All OMT's) Liquid Propellant Gun	LS/ST	Light Shield/Star Tracker
LPLWS	Launch Pad Lightning Warning System	LSA	Launch Services Agreement Logistics Support Analysis
LPM	Lines Per Minute	LSAH	Launch Site Accommodations Handbook
LPMG	Liquid Phase Miscibility Gap	LSAP	Launch Sequence Applications Program
LPOP	Low Pressure Oxidizer Turbopump	LSB	Least Significant Bit Lower Side Band
LPOTP	Low Pressure Oxidizer Turbopump	LSC	Linear Shaped Charge
LPOX	Low Pressure Oxygen	LSCA	Logistics Support Cost Analysis
LPR	Line Printer		
LPS	Launch Processing (Processor) System Liters Per Second (L/s preferred)		
LPS/CDS	LPS/Central Data Subsystem		

LSD	Landing Ship Dock Low Speed Data	LSSRC	Life Sciences Shuttle Research Centrifuge
LSE	Launch Support Equipment Life Support Equipment	LSST	Launch Site Support Team
LSF	Laboratory Simulation Facility	LST	Large Space Telescope Large Stellar Telescope
LSFE	Life Sciences Flight Experiment		Launch Support Team
LSFR	Launch Side Flow Review		Liquid Storage Tank
LSI	Large Scale Integration		Local Standard Time
LSID	Launch Sequence and Interlock Document	LSTE	Launch Site Transportation Equipment
LSLE	Life Sciences Laboratory Experiment	LSU	Life Support Umbilical
LSM	Life Science Module	LT	Lead Time Left Light
LSMI	Logistics Support Management Information	LTA	Linear Triaxial Accelerometer
LSO	Landing Support Officer Large Solar Observatory		Lower Torso Assembly
LSP	Least Significant Portion	LTD	Lift-to-Drag Limited
LSPDF	Life Science Payloads Development Facility	LTG	Lighting Linear Tangent Guidance
LSR	Land Sea Rescue Launch Site Recovery Launch Support Room	LTM	Lead Time Matrix
LSRM	Life Science Research Module	LTRF	Low-Temperature Research Facility
LSS	Landing, Separation Simulator Large Space Structures Launch Support Services Launch Support System Life Support Subsystem Load Sensing System	LUB	Lubricate
LSSCV	Large Scale Structure Control Verification	LUPI	Laser Unequal Path Interferometer
LSSE	Launch Site Support Engineer	LUS	Liquid Upper Stage
LSSF	Life Sciences Support Facility	LUT	Launcher-Umbilical Tower
LSSL	Life Sciences Space Laboratory	LV	Launch Vehicle Lift Vector Limit Value Loading Valve Load Vertical Local Vertical Low Voltage
LSSM	Launch Site Support Manager	LVDC	Launch Vehicle Digital Computer
LSSP	Launch Site Support Plan	LVDT	Linear Variable Differential Trans- former Linear Voltage Differential Trans- former

LVG	Low Viscosity Gyro
LVL	Level
LVLH	Local Vertical/Local Horizontal
LVPS	Low Voltage Power Supply
LVS	Launch Vehicle System
LW	Launch Window
LWD	Launch Window Display
	Left Wing Down
LWG	Logistics Working Group
LWHS	Light-Weight Headset
LWR	Lower
LWS	Lightning Warning System
LWT	Launch Window Time
	Light Weight Tank (Shuttle-C ET)

M

M	Mach
	Maintainability
	Major Cycle
	Male
	Mandatory
	Manual
	Mass
	Matrix
	Mega
	Mercury
	Middle
	Million
	Missing (Data)
	Monitor (MON preferred)
	Number of Revolutions Required for the Rendezvous
m	Meter
M&C	Maintenance and Checkout
	Monitor and Control Panel
M&F	Materials and Facilities
M&M	Materials and Maintenance
M&O	Maintenance and Operations
M&P	Materials and Processes
	Materials and Processing
M&R	Maintenance and Refurbishment
	Maintenance and Repair
M&RF	Maintenance and Refurbishing Facility
M&RO	Maintenance and Refurbishment Operations
M+R	Maintenance and Refurbishment
	Maintenance and Repair
M-	Time in Days Before Move Operations
m-kg	Meter-Kilogram
M-M-L-S	Model-Modes-Loads-Stresses

M/F	Maintenance Factor
M/I	Minimum Impulse
M/L	Maintenance Loop
M/LR	Maintenance Loop Recorder
M/P	Main Parachute
M/R	Mixture Ratio (Fuel to Oxidizer)
M/S	Mainstage
	Measurement Stimuli
M/SCI	Mission/Safety Critical Item
M/U	Mockup
M50	Mean of 1950 (Coordinate System)
MA	Maintenance (STS)
	Maintenance Ability
	Martin Ablator
	Master
	Master Alarm
	Material Authorization
	Metabolic Analyzer
	Middeck Act
	Mike Amplifier
	Missed Approach
	Mission Analysis
	Mission Assignment
	Multiple Access
mA	Milliampere
MA&P	Maintenance Analysis and Planning
MA&T	Manufacturing Assembly and Test
MAA	Mathematical Association of America
	Maximum Authorized Altitude
	Mechanical Arm Assembly
MAAB	Materials Application Advisory Board
MAAR	Monthly Associate Administrator's Review

MAB	Master Acquisition Bus Materials Advisory Board Materials Application Board Mechanical Automation Breadboard Missile Assembly Building	MAGIC	Multiple Aperture Gas Imaging Counter
MAC	Main Display Console Maintenance Advisory Committee Maximum Allowable Concentration Maximum Concentration of Organics Mean Aerodynamic Chord Military Airlift Command Multiaccess Computer	MAGSAT	Magnetometer Satellite
MACDS	Monitor and Control Display System	MAI	Machine-Aided Indexing
MACE	Mechanical Antenna Control Electronics	MAIDS	Management Automated Information Display System Multipurpose Automatic Inspection and Diagnostic System
MACH	Machine Velocity Relative to the Speed of Sound	MAIN	Maintenance
MACI	Monitor, Access, and Control Interface	MAINT	Maintenance
MACO	Major Assembly Checkout	MAIR	Manufacturing and Inspection Record
MACRO	Merge and Correlate Recorded Output (Program)	MAJ	Major
MACS	Modular Attitude Control Subsystem	MAL	Malfunction Material Allowance List Mobile Airlock
MAD	Madrid, Spain (STDN Site, First Antenna) Maintenance Analysis Data	MALL	Malleable
MADC	Multiplexer Analog to Digital Converter	MAMS	Multispectral Atmospheric Mapping Sensor
MADRE	Manufacturing Data Retrieval System	MAN	Manual Microwave Aerospace Navigation
MADS	Modular Auxiliary Data Systems	MANF	Manifold
MAEP	Minimum Autoland Entry Point	MAOT	Maximum Allowable Operating Time
MAF	Manpower Authorization File Michoud Assembly Facility Mixed Amine Fuel	MAP	Maintenance Analysis Program Message Acceptance Pulse Missed Approach Point Mission Application Program
MAG	Magazine Magnetic Magnitude	MAPOLE	Magnetic Dipole Spark Transmitter
		MAPS	Measurement of Air Pollution From Satellites Measurement of Atmospheric Pollution From Satellites
		MAPTIS	Materials and Processes Technical Information Services
		MAR	Maintenance and Refurbishment Memory Address Register Middeck Accommodations Rack

MARS	Martin Automatic Reporting System Modular Airborne Recorder System Modular Airborne Recording System	MBI	Multibus Interface
MARTS	MSFC Accounting and Resources Tracking System	MBK	Medications and Bandage Kit
MAS	Millimeter Wave Atmosphere Sounder	MBL	Mobile Unit (TACAN Station)
MASA	Metals and Alloys Solidification Apparatus	MBO	Management by Objective
MASDC	Military Aircraft Storage and Disposition Center	MBPS	Megabits Per Second Million Bits Per Second
MAT	Matrix Meteorological Atmospheric Turbulence Multiple Actuator Test	MBV	Main Base Visit
MATCO	Materials Analysis, Tracking, and Control	MC	Memory Configuration Midcourse Correction Maneuver Mission Capability Mission Completion/Continuation
MATL	Material	MC&C	Measurement, Command, and Control
MAU	Million Accounting Units	MC&W	Master Caution and Warning
MAUS	Messenschafteliche Autonome Experiment Unter Schewerelosigkeit	MCA	Master Control Assembly Maximum Crossing Altitude Monitoring and Control Assembly Motor Control Assembly Multichannel Analyzer
MAX	Madrid, Spain (STN Site, Second Antenna) Maximum	MCCBF	Mean Cycle Between Failures
MAX-Q	Maximum Dynamic Pressure	MCC	Main Combustion Chamber Mission Control Center (JSC) Motor Control Center (JSC)
MAXCO	Maximum Dynamic Pressure	MCC-DOD	Mission Control Center–DOD
MB	Main Bus Management Baseline Manned Base	MCC-H	Mission Control Center–Houston
MB, mbar	Millibar	MCC-K	Mission Control Center–Kennedy
MB/S	Megabits Per Second	MCC-NASA	Mission Control Center–NASA
MBAC	Marshall Booster Assembly Contractor	MCCC	Mission Control and Computing Center
MBB	Messerschmitt-Boelkow-Blohm (GmbH)	MCCS	Mission Control Center Simulation (System)
MBC	Maximum Breathing Capacity	MCDS	Maintenance Control and Display System Multifunction CRT Display System
MBCS	Motion-Base Crew Station (SMS)	MCDU	Multifunction CRT Display Unit
MBFP	Manufacturing Build and Flow Plan	MCE	Mechanism Control Electronics

MCF	Maintenance and Checkout Facility		Manual Direct
	Major Component Fail		Manual Disconnect
	Mission Control Facility		Master Dimension
MCIU	Manipulator Controller Interface Unit		Microdot
	Master Control and Interface Unit		Middeck
	Mission Control and Interface Unit		Mission Director
MCL	Mass Change Log	MDA	Main Distribution Assembly
	Master Configuration List		Maintainability Design Approach
MCLT	Maximum Cruise Level Thrust		Middeck Assembly (FDF)
MCM	MADS Control Module		Motorized Door Assembly
MCN	Master Change Notice		Multiple Docking Adapter
MCO	Mission Control Operations	MDAC	McDonnell Douglas Astronautics Company
MCOP	Mission Control Operations Panel	MDAR	Malfunction Detection, Analysis, and Recording
MCP	Master Change Proposal	MDAS	Meteorological Data Acquisition System
	Master Computer Program		Mission Data Acquisition System
	Materials Control Plan	MDB	Mission Data Book
	Measurements Control Procedure	MDC	Main Display Console
	Microchannel Plate		Mission Director Center
	Mission Control Programmer		Mission Duty Cycle
	Monitoring and Control Panel	MDCA	Main Distribution Control Assembly
	Multibeam Communication Package	MDCS	Maintenance Data Collection System
MCPC	Manipulator Controller Power Conditioner		Malfunction Display and Control System
MCPS	Major Cost Proposal System		Master Digital Command System
MCR	Master Change Record		Material Data Collection System
MCS	Maintenance and Checkout Station		Mate/Demate Device
	Measurements Calibration System	MDDS	Material Directory Data Sheet
MCT	Maximum Climb Thrust	MDE	Mission Dependent Equipment
	Metabolic Control Test		Mission Dependent Experiment
	Mission Control Table		Modular Display Electronics
MCU	Master Control Unit	MDF	Main Distribution Frame
	Mission Control Unit		Manipulator Development Facility
MCVP	Materials Control and Verification Program		Mating/Demating Facilities
MCW	Modulated Continuous Wave		Mild Detonating Fuse
MD	Biomedical Office (KSC Directorate)		
	Malfunction Detection		

MDL	Master Data Library		Maintenance Engineering Analysis
MDM	Manipulator Deployment Mechanism		Materials Experiment Assembly
	Medical Monitor	MEAR	Maintenance Engineering Analysis Request
	Multiplexer/Demultiplexer	MEAS	Measuring, Measurement
MDP	Management Development Program	MEB	Main Electronics Box
MDR	Maintenance Demand Rate	MEBO	Main Engine Burnout
	Major Design Review	MEC	Engine Mounted Computer
	Minor Discrepancy Repair		Main Engine Controller
	Missing Data Report		Master Event Controller
	Mission Data Reduction		Materials Experiment Carrier
	Monthly Director's Review		Mission Events Controller
MDRD	Mission Data Requirements Document	MECA	Main Engine Controller Assembly
MDRS	Manufacturing Data Retrieval System	MECCA	Master Electrical Common Connector Assembly
	Mission Data Retrieval System	MECF	Main Engine Computational Facilities
MDS	Malfunction Detection System	MECH	Mechanical
	Management Data System	MECO	Main Engine Cutoff
	Master Development Schedule	MECR	Maintenance Engineering Change Request
	Minimum Discernible Signal	MED	Manual Entry Device
	Minimum Discernible System		Medical
	Mission Development Simulator		Medium
	Motion Detection System	MEDEA	Material Science Experiment Double Rack for Experiment Modules and Apparatus (Spacelab D-1 Experiment)
MDSD	Mate/Demate Stiffleg Derrick	MEDICS	Medical Information Computer System
MDSF	Manipulator Development and Simulation Facility	MEE	Mission Essential Equipment
MDSSC	McDonnell Douglas Space Systems Company	MEG	Megohm
MDT	Maintenance Demand Time	MEI	Master Inspection Item
	Mean Detonating Time	MEIG	Main Engine Ignition
	Mean Down Time	MEIU	Main Engine Interface Unit
	Measurement Descriptor Table	MEL	Master Equipment List
	Mountain Daylight Time		Minimum Equipment List
MDTSCO	McDonnell Douglas Technical Services Company		Modular Electromagnetic Levitator
ME	Main Engine	MELEO	Material Exposure in Low Earth Orbit
	Management Engineering		
	Miscellaneous Equipment		
MEA	Main Electronics Assembly		

MELI	Master Equipment List Index Minimum Equipment List Index		Mission Events Sequence
MEM	Materials Experimentation Module Meteoroid Exposure Module Middeck Electronics Module Module Exchange Mechanism	MESA	Marshall Engineers and Scientists Association Miniature Electrostatic Accelerometer Modular Equipment Stowage Assembly
MEOP	Maximum Expected Operating Pressure		MSFC Engineering Support Area
MEP	Main Engine Propellant Main Entry Point Management Engineering Program Mean Effective Pressure Minimum Entry Point	MESC	Master Events Sequencer Controller
MEPF	Multiple Experiment Processing Furnace	MET	Master Events Timer Meteorological Mission Elapsed Time Mission Events Timer
MEPF-GCF	Multiple Experiment Processing Facility—Crystal Growth Furnace	META	Megachannel Extraterrestrial Assay
MEPF-MAS	Multiple Experiment Processing Facility—Metal Alloy Solidification	METRO	Meteorology
MEPHISTO	French (derived from descriptive name) Material pour l'Etude des Phenomenes Interessant la Solidification sur Terre et en Orbite	METVC	Main Engine Thrust Vector
MER	Meridian Mission Evaluation Room	MEWG	Maintenance Engineering Working Group
MERL	Materials Engineering Research Laboratory Materials Equipment Requirement List	MF	Major Function Master Frame Mate and Ferry Medium Frequency (300 to 3,000 kHz) Middeck Forward Midfuselage
MERSAT	Meteorology and Earth Observation Satellite	MFA	Manned Flight Awareness
MERU	Milliearth Rate Unit	MFBP	Manufacturing Flow and Building Plan
MES	Main Engine Start Mated Elements Simulator Mated Events Simulator	MFC	Multiple Flight Computer Multiple Flight Controller
		MFD	Main Feed Malfunction Detection Midflight Deck
		MFDE	Midflight Deck Experiment
		MFE	Mid Frequency Executive
		MFE/Magnolia	Magnetic Field Explorer/Magnolia Mission
		MFF	MDM Flight Forward
		MFG	Major Functional Group Manufacturing

MFMR	Multifrequency Microwave Radiometer	mi	Mile
MFO	Major Function Overlay	MIA	Mission Implementation Agreement
MFPE	Mission From Planet Earth		Multiflex Interface Adapter
MFR	Manipulator Foot Restraint		Multiplexer Interface Adapter
	Maximum Flight Rate	MIB	Master Interconnect Board
	Multifunctional Receiver	MIC	Management Information Center
	Multifunctional Review	MICG	Mercury Iodide Crystal Growth
MFT	Mean Flight Time	MICIS	Material Information Control and Information System
MFTAD	Master Flight Test Assignment Document (JSC)	MICOM	Missile Command (Army)
MFV	Main Fuel Valve	MICS	Management Information and Control System
MFVA	Main Fuel Valve Actuator	MID	Midbody
MG	Middle Gimbal (YAW)	MIDDS/MEIDAS	Meteorological Interactive Display Data System/Man Computer Interactive Data Access System
	Mobile Generator	MIL	GSFC Spaceflight Tracking and Data Network Station (KSC) Merritt Island, FL (STDN Site) Military
Mg	Magnesium	MILA	Merritt Island Launch Area
mg	Milligram	MILC	Modified Intermediate Low Cycle
MGA	Middle Gimbal Angle	MILS	Missile Impact Location System
MGAMS/CDTR	Microgravity Accelerometer Measure- ment System/Cassette Data Tape Recorder	MILSTRIP	Military Standard Requisition and Issue Procedure
MGC	Manual Gain Control	MIMOSA	Mission Modes and Space Analysis
MGE	Maintenance Ground Equipment	MIMS	Medical Information Management System
MGM	Mechanics of Granular Materials	MIN	Minimum
MGMT	Management	min	Minute
MGR	Manager	Mini-MADS	Minimodular Auxiliary Data System
MGSE	Mechanical Ground Support Equipment	MINW	Master Interface Network
MGT	Major Ground Test	MIO	Management Integration Office
MGVT	Mated Ground Vibration Test	MIOS	Multi-IMU Operation System
MHC	Manipulator Hand Controller		
MHD	Multihead Disc		
MHE	Material Handling Equipment		
MHF	Medium High Frequency		
MHSC	Manipulator Handset Controller		
MHW	Multihundred Watt		
MHz	Megahertz (Megacycles Per Second)		
MI	Management Information		

MIP	Management Implementation Plan Mandatory Inspection Point Minimum Impulse Pulse MMU Integration Plan Modification Instruction Package	MLA	MDM Launch Aft Monochrome Lens Assembly
MIPR	Military Intergovernmental Purchase Request	MLB	Multilayer Board
MIPS	Merritt Island Press Site	MLC	Mobile Launcher Computer
MIR	Malfunction Investigation Report Mirror	MLE	Mesoscale Lightning Experiment
MIRADS	Marshall Information Retrieval and Display System	MLF	MDM Launch Forward
MIS	Management Information System Mission Information Subsystem	MLG	Main Landing Gear
MISC	Miscellaneous	MLGS	Microwave Landing Guidance System
MISS	Mission	MLI	Multilayer Insulation
MIT	Massachusetts Institute of Technology (CSDL) Master Instruction Tape	MLL	MDM Launch Left
MITS	Marshall Integrated Telecommunications System	MLP	Mobile Launch (Launcher) Platform
MITTS	Mobile Igor Tracking Telescope System	MLR	MDM Launch Right Monodisperse Latex Reactor
MIU	MPE Interface Unit Multiplex Interface Unit	MLRS	Monodisperse Latex Reactor System
MIUL	Materials Identification and Usage List	MLS	Microwave Landing System
MIUS	Modular Integrated Utility Systems	MLW	Maximum Landing Weight
MJ	Mechanical Joint	MLX	Merritt Island, FL (STDN Site, Second Antenna)
MJCA	Midbody Jettison Control Assembly	MM	Main Memory Main Module Major Mode Man-Month Mass Memory Math Model Mission Manager
MJS	Manipulator Jettison System (Subsystem)	mm	millimeter
MK	Mark	MMA	Mass Memory Assembly MSFC Management Association
MKTI	Mission Kit Technical Instruction	MMACS	Maintenance Management and Control System Maintenance, Mechanical Arm, and Crew System Engineer
ML	Middeck Left Mobile Launcher Mold Line	MMAG	Martin Marietta Astronautics Group
ML PED	Mobile Launcher Pedestal	MMAS	Material Management Accounting (Accountability) System
		MMC	Martin Marietta Corporation Mission Management Center

MMCA	Midbody Motor Control Assembly		Mars Observer
MMCL	Master Measurement and Control List		Master Oscillator
MMDB	Mass Memory Data Base		Middeck Overhead
	Master Measurement Data Base		Mission Operations
MMDF	Mission Model Data File		Move
MMES	MSFC Mated Element Systems	Mo	Molybdenum
MMH	Maintenance Man-Hour	MOA	Make on Arrival
	Monomethylhydrazine		Memorandum of Agreement
MMI	Marshall Management Instruction		Minute-of-Angle
	Mode-Medium Instability	MOC	Marine Operation Center
MMIS	Manpower Management Information System		Missions Operations Center
MML	Master Measurement(s) List	MOCF	Mission Operations Computational Facilities
MMLS	Model-Modes-Loads-Stresses	MOCR	Mission Operations Control Room
MMMS	Martin Marietta Manned Space System	MOCS	Multichannel Ocean Color Sensor
	Militarized Multimission Modular Spacecraft	MOCV	Manual O ₂ Control Valve
MMOS	Multimode Optical Sensor	MOD	Mission Objectives Document
MMPSE	Multiuse Mission Payload Support Equipment		Mission Operations Directorate
MMS	Mission Modular Spacecraft		Modification
	Modular Multiband Scanner		Modify
	Multimission Modular Spacecraft		Modulation, Modular
MMSE	Multiuse Mission Support Equipment	MODART	Methods of Defeating Advanced Radar Threats
MMSL	Microgravity Materials Science Laboratory	MODB	Master Object Data Base
MMT	Mass Memory Test	MODEM	Modulator-Demodulator
MMU	Manned Maneuvering Unit	MODLAN	Mission Operations Division Local Area Network
	Mass Memory Unit	MODS	Mission Operations and Data System Modifications
MN	Main	MOF	Manned Orbital Flight
MNA,B,C	Main Bus A, B, or C	MOL	Molecular
MNVR	Maneuver	MOM	Mission Operations Manager
MO	Major Objective		Moment
	Manned Orbiter	MON	Monitor
	Manual Orientation	MOP	Mission Operations Plan
	Manufacturing Order		

MOPI	Max Rate Output Initiator	MPC	Manual Pointing Controller
MOPR	Mission Operations Planning Review		Memory Protection Check
	Mission Operations Planning Room		Meteorological Prediction Center
MOPS	Military Operations Phone System		Midbody Pyro Controller
	Mission Operations Planning System	MPD	Main dc Power Distributor Assembly
MOR	Manufacturing Operation Record		Maximum Permissible Dose
	Mission Operations Report	MPE	Mission Peculiar Experiment
MORD	Medical Operations Requirements	MPRESS	Mission Peculiar Experiment Support
	Document		Structure
	Mission Operations Requirements	MPG	Multiple Point Ground
	Document		Multipoint Grounding
MORT	Management Oversight and Risk Tree	MPGHM	Mobile Payload Ground Handling
MOS	Metal Oxide on a Substrate		Mechanism
	Metal Oxide Semiconductor	MPHE	Material and Personnel Handling
	Mission Operations System		Equipment
MOSPO	Mobile Satellite Photometric	MPI	Mission Payload Integration
	Observatory	MPIIN	Modification Procurement Instrument
MOT	Motor		Identification Number
MOU	Memorandum of Understanding	MPIO	Mission Payload Integration Office
MOV	Main Oxidizer Valve	MPL	Maintenance Parts List
MOVA	Main Oxidizer Valve Actuator		Manipulation Positioning Latches
MOW	Mission Operations Wing		Mechanical Parts List
MOWG	Mission Operations Working Group		Minimum Power Level (65 percent)
MP	Management Package	MPLG	Materials Processing in Low Gravity
	Mass Properties	MLPN	Maintenance Planning (Data Base)
	Measuring Point	MPM	Manipulator Positioning Mechanism
	Medium Pressure		Materials Properties Manual
	Melting Point	MPMP	Mass Properties Management Plan
	Meteorology Panel	MPMSE	Multiuse Payload and Mission Support
	Mission Planner		Equipment
	Mod Package	MPP	Material Processing Procedure
MP&C	Maintenance Planning and Control	MPPSE	Multipurpose Payload Support
MPA	Mass Processing Analysis		Equipment
MPAC	Multipurpose Application Console	MPR	Maintainability Problem Report
MPAD	Mission Planning and Analysis		Management Program Review
	Division (JSC)		Mission Planning Room
MPB	Maintenance Parts Breakdown		Mockup Purchase Request

MPS	Main Propulsion System (Subsystem) Master Program Schedule Material Processing Specification Material Processing System Materials Processing in Space Megabits Per Second Modular Power System Mission Planning System	MRD	Material Review Disposition Mission Requirements Document
MPSE	Moreless Payload Specialist Experiment	MRDR	Material Review Disposition Record
MPSL	Materials and Process Specification List	MRE	Monopropellant Rocket Engine Motor Requirement Evaluation
MPSR	Mission Profile Storage and Retrieval Multipurpose Support Room	MRF	Maintenance Responsibility File Maximum Retarding Force Measurements/Stimuli Request Form
MPSS	Main Parachute Support Structure Mission Planning and Scheduling System Multiple Payload Support Structure	MRI	Measurement Requirements and Interface Moderate Resolution Imager
MPT	Main Propulsion Test	MRIR	Medium Resolution Infrared Radiometer
MPTA	Main Propulsion Test Article	MRL	Manipulator Retention Latches Manipulator Retention Lock Material Requirements List
MPTF	Main Propulsion Test Facility	MRMDF	Mobile Remote Manipulator Development Facility
MPTP	Main Propulsion Test Program	MRMS	Mobile Remote Manipulator System
MPTS	Multipurpose Tool Set	MRR	Mission Readiness Review Mission Reconfiguration Request
MPVA	Main Propellant Valve Actuator	MRS	Management Review System
MR	Main Ring Master Reset Material Review Mission Report Mixture Ratio	MRTC	Multiple Real-Time Commands
MRA	Main Ring Assembly Mechanical Readiness Assessment	MS	Machine Screw Machine Steel Man System Margin of Safety Mass Spectrometer Master Switch Material Specification Materials Science Mating Sequence and Control Milestone Military Standard (Parts Designation) Mission Specialist Mission Station Multistring
MRB	Material Review Board		
MRC	Measurement Requirements Committee		
MRCR	Measurement Requirement Change Request		

ms	Millisecond		Manned Space Flight
MS/MS	Material Science and Manufacturing in Space	MSFC	George C. Marshall Space Flight Center
MSA	Material Service Area Minimum Surface Area	MSFN	Manned Space Flight Network
MSA-1	Marshall Sprayable Ablator	MSFP	Manned Space Flight Program
MSA-2	Improved Marshall Sprayable Ablator	MSG	Mechanical Subsystem Group
MSAD	Materials Summary Acceptance Document		Message
MSB	Most Significant Bit		Mission Support Group
MSE	Multiple Sample Exchanger	MSI	Maintenance Significant Items
MSFLS	Microwave Scanning Beam Land Station Microwave Scanning Beam Landing System		Medium Scale Integration
MSBLS-GS	MSBLS Ground Station	MSIA	Multispectral Image Analyzer
MSC	Manned Spacecraft Center (changed to JSC) Master Sequence Controller Materials Service Center Military Sealift Command Mobile Servicing Center Moding Sequencing and Control	MSID	Measurement Stimulation Identification
MSCC	Manned Systems Control Center	MSIS	Man Systems Integration Standard
MSCI	Mission Scientist	MSK	Manual Select Keyboard
MSCR	Measurement/Stimuli Change Request	MSL	Materials Science Laboratory
MSD	MARS Supplemental Data		Mean Sea Level
MSDS	Multispectral Scanner and Data System		Mechanical System(s) Laboratory
MSE	Maintenance Support Equipment Measuring and Stimuli Equipment Mechanical Support Equipment Medical Support Equipment Mission Staff Engineer Multiple Sample Exchanger	MSLD	Missile
MSEC	Master Separation Events Controller	MSLM	Mass Spectrometer Leak Detector
msec	Millisecond (ms preferred)	MSM	Manned Support Module
MSF	Maintenance Source File	MSN	Mission
		MSO	Model for Spare(s) Optimization
		MSOB	Manned Spacecraft Operations Building (O&C preferred)
		MSOCC	Multisatellite Operations Control Center
		MSOIN	Minor Subcontractor or IDWA Notification
		MSR	Module Support Rack
		MSS	Maintenance Status System
			Manufacturers Standardization Society
			Mechanical Support Systems
			Mission Specialist Station
			Mission Status Summary
			Mobile Service Structure
			Multispectral Scanner System

MSSTA	Multispectra Solar Telescope Array	MTBMA	Mean Time Between Maintenance Action
MST	Measurement Status Table	MTBR	Mean Time Between Replacement
	Mission Sequence Test	MTC	Man-Tended Capability
	Mobile Service Tower		Manual Traffic Control
	Module Service Tool		Master Thrust Control
	Module Systems Trainer		Master Thrust Controller
	Mountain Standard Time		Mission and Traffic Control
MSTR	Master	MTCA	Monitor and Test Control Area
MSU	Mass Storage Unit	MTCU	Magnetic Tape Control Unit
	Measuring Stimuli Units	MTD	Mounted
MSV	Monitored Sine Vibration (Test)	MTDSK	Magnetic Tape Disk
MSVP	Master Shuttle Verification Plan	MTE	Maintenance Test Equipment
MSW	Microswitch		Multisystem Test Equipment
MSWG	Materials Science Working Group	MTEC	Maintenance Test Equipment Catalog
MT/PMP	Mobile Transporter/Permanent Manned Presence	MTEE	Electrical Maintenance Test Equipment
MT	Magnetic Tape	MTEEC	Electronic Maintenance Test Equipment
	Master Timer	MTEF	Fluid Maintenance Test Equipment
	Master Tool	MTEM	Maintenance Test Equipment Module
	Maximum Torque		Mechanical Maintenance Test Equipment
	Mean Time		Mesosphere-Thermosphere Explorer Mission
	Mechanical Technician	MTEO	Optical Maintenance Test Equipment
	Metering Truss	MTF	Mississippi Test Facility (now NSTL)
	Mission Time	MTFO	Modular Training Field Option
	Mission Trajectory	MTG	Mounting
	Mobile Transporter	MTGP	Monitor Table Generator Program
	Mount	MTGW	Maximum Total Gross Weight
	Mountain Time	MTI	Morton Thiokol, Inc.
MTA	Magnetic Torquer Assembly	MTK	Mechanical Time Keeping
	Maintenance Task Analysis	MTL	Main Transfer Line
	Major Test Article		Material
	Marshall Trowelable Ablator	MTLP	Monitor Table Listing Program
	Mass Thermal Analysis	MTM	Methods Time Measurement
MTB	Materials Testing Branch		
MTBD	Mean Time Between Demand		
MTBF	Mean Time Between Failure		
MTBM	Mean Time Between Maintenance		

MTO	Magnetic Tape Operator Master Timing Oscillator Maximum Time Out Mission, Task, Objective Modification Task Outline	MUM	Mass Memory Unit Manager
MTOGW	Maximum Takeoff Gross Weight	MUMS	Multiple Use Marc System
MTOW	Maximum Takeoff Weight	MUR	Manpower Utilization Report
MTP	Manufacturing Technical Procedure Master Test Plan Mission Test Plan	MUSAT	Canadian Government Satellite
MTPE	Mission To Planet Earth	MUSS	Module Utility Support Structure
MTR	Magnetic Tape Recorder Motor	MUX	Multiplex, Multiplexer
MTS	Magnetic Tape Station (System) Master Timing System Metric Time System	MV	Manual Valve Manufacturing Verification
MTT	Maximum Touch Temperature	mV	Millivolt
MTTA	Mean Time to Accomplish	MVA	Main Valve Actuator Megavolt Ampere
MTTE	Mean Time to Exchange	MVAS	Multipurpose Ventricular Actuating System
MTTF	Mean Time to Failure	MVC	Manual Volume Control Master Volume Control
MTTFF	Mean Time to First Failure	MVF	Manned Vertical Flight
MTTR	Mean Time to Repair	MVGVT	Mated Vertical Ground Vibration Test
MTU	Magnetic Tape Unit Master Timing Unit Mobile Training Unit	MVI	Microgravity Vestibular Investigation
MTVC	Manual Thrust Vector Control Main Thrust Vector Control	MVM	Mariner Venus/Mercury
MTW	Maximum Taxi Weight	MVP	Master Verification Plan
MU	Master Unit Mobile Unit Mockup Multiple Unit	MVR	Maneuver
MUA	Material(s) Usage Agreement Maximum Usable Altitude	MVS	Middle Value Select Multiple Virtual Storage
MUF	Maximum Usable Frequency	MVT	Mission Verification Test
MULT	Multiple Multiply	MW	Man Week Microwave
		mW	Milliwatt
		MWB	Master Work Book
		MWG	Maintenance Analyzer Working Group
		MWP	Maximum Working Pressure
		MWPE	Mental Workload and Performance
		MWPR	Monthly Work Package Report
		MWR	Mean Width Ratio
		MWS	Molecular Wake Shield
		MWV	Maximum Working Voltage
		MX	Multiplex
		MY	Man Year

MYTA	Maintainability Task Analyses
MYVAL	Maintainability Evaluation
MZFW	Maximum Zero Fuel Weight

N

N	Neutrons	NAP	Navigation Analysis Program
	Newton	NAR	Numerical Analysis Research
	North	NARC	North American Rockwell Corporation
N₂	Nitrogen	NARS	National Archives and Record Services
N₂H₄	Hydrazine	NAS	National Academy of Sciences
N₂HO₄	Nitrogen Peroxide		National Aircraft Standard
N₂O₄	Nitrogen Tetroxide		Naval Air Station
N&G	Navigation and Guidance (G&N preferred)	NASA	National Aeronautics and Space Administration
N/A	Next Assembly	NASCAD	NASA Computer Aided Design
	Not Applicable	NASCOM	NASA Communications (Network)
N/B	Narrow Band	NASDA	National Space Development Agency (of Japan)
N/C	Non-Concur	NASP	National Aerospace Plane
	Normally Closed	NASTRAN	NASA Structural Analysis
	Nose Cone	NATF	Naval Air Test Facility
	Not Critical	NATL	National
	Numerical Control	NAV	Navigate, Navigation
N/D	Need Date	NAVAID	Navigation Aid
N/O	Normally Open	NAVDAD	Navigationally Derived Air Data
N/P	Not Provided	NAVEX	Navigation Experiments (Spacelab D-1 Experiment)
N/W	Network	NAVPOOL	Navigation Parameter Common Pool
NA	Next Action	NAVSAT	Navigation Satellite
	Not Applicable	NAVSTAR	Navigational Star
NAAL	North American Aerodynamic Laboratory (Wind Tunnel)	NB	Narrow Band
NAC	Nacelle		Navigation Base
NACA	National Advisory Committee for Aeronautics		Neutral Buoyancy
NAEC	Naval Air Engineering Center		Nitrogen Base
NAFIS	NASA Accounting and Financial Information System		No-Bias (Relay)
NAM	National Association of Manufacturers	Nb	Niobium
NAOO	National Oceanic and Atmospheric Administration	NBF	Neutral Buoyancy Facility
		NBL	Neutral Buoyancy Laboratory
		NBS	National Bureau of Standards
			Neutral Buoyancy Simulator
		NBT	Neutral Buoyancy Trainer

NC	National Course	NEG	Negative
	No Change	NEMS	NASA Equipment Management System
	No Comment	NEP	Normal Entry Point
	Noise Criteria	NEPA	National Environmental Protection Act
	Normally Closed	NESC	National Electrical Safety Code
	Normal Corrective Maneuver	NESR	Natural Environment Support Room
	Numerical Control	NET	NASA Employee Team Network (N/W preferred)
NC1	Nominal Correction 1 (Phasing Maneuver)	NETCOM	Network Communications
NCAR	National Center for Atmospheric Research (National Science Foundation Research Center)	NEWMAST	National Education Workshop for Math and Science Teachers
NCC	NASA Class Code	NEXUS	NASA Engineering Extendible United Software System
	Nominal Corrective Combination (Maneuver)	NF	Natural Flood
	Normal Corrective Combination (Maneuver)		Noise Figure
NCFI	North Carolina Foam Insulation	NFCS	Nuclear Forces Communications Satellite
NCGS	Nuclear Criteria Group Secretary	NFPA	National Fire Protection Association
NCI	Phasing Maneuver	NFS	Nozzle Flow Sensor
NCIU	Network Common Interface Unit	NFSP	Nonflight Switch Panel
NCOS	National Commission on Space	NFW	Nonfuel Wasting
NCR	No Calibration Required	NG	Narrow Gauge
	Nonconformance/Failure Report		Nitrogen Gauge
NCS	Nutation Control System		Nose Gear
ND	NASA Document	NGM	Nitrogen Generation Module
Nd	Neodymium	NGT	NASA Ground Terminal
NDE	Nondestructive Evaluation	NH	Nominal Height (Adjust Maneuver)
NDI	Nondestructive Inspection		Normal Height Adjustment Maneuver
NDT	Nondestructive Test	NH₃	Ammonia
NDTF	Nondestructive Test Facility	NH₄	Hydrazine
NDTL	Nondestructive Test Laboratory	NHA	Next Higher Assembly
NEA	Noise Equivalent Angle	NHB	NASA Handbook
NEBA	NASA Employee Benefit Association	NHC	National Hurricane Center
NEC	National Electrical Code	Ni	Nickel
	Nippon Electric Company	Ni-Ag	Nickel-Silver (preferred)
NEEDS	NASA End-To-End Data System	Ni-Cd	Nickel Cadmium

NI-SIL	Nickel-Silver (Ni-Ag preferred)		Not for Off-KSC Distribution
NIA	NOVA Interface Adapter	No.	Number
NIB	Noninterference Basis	NO₂	Nitrogen Oxide (Nitrogen Dioxide)
NIC	Not in Contract	NOAA	National Oceanic and Atmospheric Administration
NICD	Nickel Cadmium (Ni-Cd preferred)	NOC	Network Operation Control
NIDS	Network Interface Data System		Not Otherwise Coded
NIL	No Limit (NL preferred)		Notation of Content
NIM	Nuclear Instrumentation Module	NOCC	Network Operations Control Center
NIP	Network Input Processor	NOCR	Network Operations Control Room
	Network Interface Processor	NOES	National Operational Environmental Satellite Serv.
	Nipple		
NJAD	Nozzle Joint Assembly Demonstration	NOM	Network Output Multiplexer
NJES	Nozzle Joint Environment Simulator		Nominal
NJP	Network Job Processing	NOOS	Navy Oceanographic Observations from Space
NL	No Limit	NOR	Normal
	Nose Left		Northrup Flight Strip, NM (Deorb OPT Site)
NLA	Next Lower Assembly	NORAD	North American Air Defense Command
NLG	Nose Landing Gear	NORDSAT	Scandinavian Countries Broadcast Satellite
NLT	Not Later Than	NORM	Normal
	Not Less Than	NOSL	Night/Day Optical Survey of Thunderstorm Lightning
NM	Nautical Miles	NOSP	Network Operations Support Plan
	Network Manager (GSFC)	NOSS	National Oceanic Survey Satellite
	Nonmetallic	NOZ	Nozzle
nm	Nanometer	NP	Neptunium
NMAB	National Materials Advisory Board		Network Program
NMC	National Meteorological Center		Not Provided
NMI	NASA Management Instruction	NPC	NASA Publication Control
	Nautical Miles		Nitrogen Purge Control
NMO	Normal Manual Operation		Normal Plane Change Maneuver
NMR	Nuclear Magnetic Resonance	NPD	NASA Policy Directive
NMT	Not More Than		Nominal Percent Defective
	Notification of Master Tool	NPDS	Nuclear Particle Detection Subsystem
NMV	Nitrogen Manual Valve		
NNI-I	NASA Standard Initiator-Type I (was SMSI)		
NO	Nitric Oxide (Nitrogen Monoxide)		
	Normally Open		

NPF	NAVSTAR Processing Facility	NSN	NASA Science Network
NPL	Normal Power Level (see RPL)		National Stock Number
NPN	NASA Part Number	NSO	NASA Support Operation
NPRV	Nitrogen Pressure Relief Valve	NSP	NASA Support Plan
NPS	NASA Planning Studies		Network Signal Processor
NPSH	Net Positive Suction Head	NSPARS	Nonstandard Parts Approval Request
NPSP	Net Positive Static Pressure	NSPL	NASA Standard Parts List
	Net Positive Suction Pressure	NSR	National Slow Rate
NPU	Nitrogen Purge Unit		Nominal Slow Rate
NPV	Nitrogen Pressure Valve		Normal Slow Rate (Maneuver)
NR	Noise Rating	NSR1	First Coelliptic Maneuver
	Nose Right	NSR2	Second Coelliptic Maneuver
	Not Required	NSRS	NASA Safety Reporting System
NR/T	Near Real-Time	NSS	Nitrogen Supply Subsystem
NRC	National Research Council	NSSC	NASA Standard Spacecraft Computer
	Nonrecurring Costs	NSSDC	National Space Science Data Center
NRCC	National Research Council of Canada	NST	Node Systems Trainer
NREDC	National Rocket Engine Development Complex	NSTS	National Space Transportation System
NRI	Nonrecurring Investment	NSW	NSP Status Word
NRL	Naval Research Laboratory	nt	Newton
NRM	Nonrecurring Maintenance	NTIS	National Technical Information Service
	Nuclear Radiation Monitor	NTO	Nitrogen Tetroxide
NRP	Normal Rated Power	NTP	Network Test Panel
NRS	Nonconformance Reporting System		Normal Temperature and Pressure
NRT	Near Real-Time		Notice To Proceed
NRTS	Non Repairable at This Station	NTR	Nuclear Thermal Rocket
NRZ	Non-Return-to-Zero	NTS	Near Term Schedule
NRZ-L	Non-Return-to-Zero Level		Not to Scale
NS	Nickel Steel	NTSO	NASA Test Support Office
	Not Switchable	NTTF	Network Test and Training Facility
	Nuclear Shuttle	NUL	Non-GSE Utilization List
NSA	National Standards Association	NUSAT	Northern Utah Satellite
NSD	NASA Standard Detonator	NVAFB	North Vandenberg Air Force Base
NSF	National Science Foundation	NVB	Navigational Base
NSI-I	NASA Standard Initiator-Type I (was SMSI)	NVPOWG	NASA/VAFB Payload Operations Working Group

NVR	No Voltage Release Nonverification Required Nonvolatile Residue
NW	NASA Waiver Nose Wheel
NWS	National Weather Service Nose-Wheel Steering
NWSA	Nose Wheel Steering Amplifier
NWSI	New World Services Inc.
NWT	Nonwatertight
NWW	Nose Wheel Well
NX	Normal to X-Axis Nose to X-Axis
NY	Normal to Y-Axis Nose to Y-Axis
NZ	Normal Acceleration Normal Load Factor (g) Normal to Z-Axis Nose to Z-Axis
NZB	Non-Zero Binary

O

O	Omicron	OAA	Orbiter Access Arm
O	Out		Orbiter Alternate Airfield
O₂	Oxygen	OAET	Office of Aeronautics, Exploration, and Technology
O&C	Operation and Checkout	OAFD	Orbiter Air Flight Deck
	Operation(s) and Checkout (Building—was MSOB)	OAFTO	Orbiter Atmospheric Flight Test Office
O&FS	Operations and Flight Support	OAL	Overall Level
O&IA	Operations and Integration Agreement	OALC	Ogden Air Logistics Center
O&M	Operation and Maintenance	OAMS	Orbital Attitude and Maneuvering System
O&P	Operations and Procedures	OANC	Orbiter Ancillary
O&R	Overhaul and Repair	OAO	Orbiting Astronomical Observatory
O-NAV	Onboard Navigation	OART	Office of Advanced Research and Technology
O/B	Onboard	OAS	Office Automation System
	Operational Base		Orbiter Aeroflight Simulator
O/C	Operations Critical		Orbiter Atmospheric Simulator
O/D	On Dock		Orbiter Avionics System
	Outside Diameter	OASCB	Orbiter Avionics Software Control Board
O/E	Output Electronics	OASIS	Oceanic and Atmospheric Scientific Information System
O/ET	Orbiter/External Tank		Orbiter Experiments Program Autonomous Supporting Instrumentation System (flown on STS-29)
O/F	Oxidizer-to-Fuel Ratio	OASPL	Overall Sound Pressure Level
O/L	Overload	OAST	Office of Aeronautics and Space Technology (Now OAET)
O/L-RC	Overload-Reverse Current	OAT	Operational Acceptance Test
O/O	On Orbit		Overall Test
O/R	Outside Radius	OB	Onboard
	Oxygen Relief		Operational Base
O/V	Overvoltage		Optical Bench
O/V-U/V	Over Voltage/Under Voltage		Outboard
OA	Office of Applications (now OSTA)	OBC	Onboard Computer
	Operational Aft (DSC or MOM)	OBCO	Onboard Checkout (Instrumentation)
	Operational Instrumentation MDM-Aft	OBCS	Onboard Checkout Subsystem
	Orbital Assembly		
	Output Axis		
	Overall		

OBS	Observe, Observer Operational Bioinstrumentation System Operational Biomed Sensors Operational Biomedical System	OD	Operations Directive Operational Downlink/Downlist Outside Diameter Oxygen Drain
OBV	Oxidizer Bleed Valve	ODB	Operational Data Book
OC	On Center On-Condition Open Circuit Operations Controller Orbital Check Operations Coordinator Overcurrent	ODC	Other Direct Costs
OCALC	Oklahoma City Air Logistics Center	ODCDR	Orbiter Delta CDR
OCC	Office of Contract Compliance Operations Control Center	ODDS	Operational Data Delivery Services
OCD	Operational Capability Development	ODES	Optical Discrimination Evaluation Study
OCDR	Orbiter Critical Design Review	ODF	Operations Data File Orbit Determination Facility
OCDU	Optics Coupling Data Unit (G&N)	ODIN	Orbital Design Integration (System)
OCE	Ocean Color Experiment Optical Control Electronics	ODP	Operational Display Procedure
OCF	Onboard Computational Facility Orbiter Computational Facilities	ODR	Output Data Redundancy
OCGF	Organic Crystal Growth Laboratory Facility	ODRAN	Operational Drawing Revision Advance Notice
OCH	Orbiter Common Hardware	ODU	Output Display Unit
OCM	Organic Content Monitor	OEAS	Orbital Emergency Arresting System
OCN	Order Control Number	OECO	Outboard Engine Cutoff
OCO	OMS Cutoff Open-Close-Open	OEM	Original Equipment Manufacturer
OCP	Output Control Pulse	OES	Orbiter Emergency Site
OCR	Optical Character Recognition	OESS	Orbiter/ET Separation Subsystem
OCRM	Orbiter Crash and Rescue Manuals	OEX	Orbiter Experiments
OCS	Onboard Checkout System Optical Control System	OEXP	Office of Exploration
OCT	Octal, Octave	OF	Operational FWD DSC or MDM Operational Instrumentation MDM- FWD Orbital Flight Outside Face Oxidizer-to-Fuel Ratio Oxygen Fill
		OFCC	Office of Federal Contract Compliance
		OFDS	Orbiter Flight Dynamics Simulator Oxygen Fluid Distribution System
		OFI	Operational Flight Instrumentation Orbital Flight Instrumentation

OFK	Official Flight Kit Optical Flight Kit	OIA	Orbiter Instrumentation Office of International Affairs
OFM	Original Equipment Manufacturer		Orbiter Interface Adapter
OFF	Operational Flight Profile Operational Flight Program Orbiter Flight Program	OIB	Orbiter Interface Box
OFS	Orbital (Orbiter) Flight System Orbiter Functional Simulator	OIC	Orbiter (Orbital) Integrated Checkout
OFT	Orbital Flight Test	OIG	Office of Inspector General
OFTDS	Orbital Flight Test Data System	OII	Operations Integration Instruction
OFTM	On-Orbit Flight Technique Meeting	OIO	Operations Integrations Officer
OFTR	Orbital Flight Test Requirement	OIR	Operations Integration Review
OG	Outer Gimbal (Roll) Oxygen Gauge Zero Gravity	OIS	Operational Intercommunication System Orbiter Insertion Stage Orbiter Instrumentation Systems
OGA	Outer Gimbal Angle Outer Gimbal Axis	OISR	Open Item Status Report
OGF	Operating Ground Equipment	OISSP	Office of Interim Space Station Program
OGMT	Orbiter Greenwich Mean Time	OIT	Orbiter Integrated Test
OGO	Orbiting Geophysical Observatory	OIV	Oxidizer Isolation Valve
OGS	Optical Grating Spectrometer Outer Glideslope Oxygen Generation System	OIVS	Orbiter Interface Verification Set
OGV	Oxygen Gauge Valve	OJT	On-the-Job Training
OH	Overhaul Overhead	OL	Open Loop Operational Left DSC or MDM Overlay Overload
OHA	Operational Hazard Analysis Orbital Height Adjustment Maneuver	OLDB	On-Line Data Bank
OHC	Onboard Hard Copier Optics Hand Controller	OLF	Orbiter Landing Facility (now SLF)
OHF	Occupational Health Facility	OLIF	Orbiter Landing Instrumentation Facilities
OHGVT	Orbiter Horizontal Ground Vibration Test	OLOW	Orbiter Lift-Off Weight
OHMM	Ohmmeter	OLSA	Orbiter/LPS Signal Adapter
OI	Operational Instrumentation Operations Interface Orbiter Insertion	OLSP	Orbiter Logistics Support Plan
		OM	Operational Mid DSC or MDM Optical Master Outer Marker (ILS)
		OMA	Operations Maintenance Area Operations Management Application Orbiter Maintenance Area
		OMB	Office of Management and Budget

OMBUU	Orbiter Midbody Umbilical Unit		Operations Management Room
OMC	Orbiter Maintenance and Checkout		Orbiter Management Review
OMCF	Operations and Maintenance Control File	OMRB	Operating Material Review Board
	Orbiter Maintenance and Checkout Facility	OMRC	Operational Maintenance Requirements Catalog
OMD	Operations and Maintenance Documentation	OMRF	Orbiter Maintenance and Refurbishment Facility
	Orbiter Mating Device	OMRP	Operations and Maintenance Requirements Plan
OMDR	Operations and Maintenance Data Record	OMRS	Operations and Maintenance Requirements Specification
OMDR1	Operations and Maintainability Data Record	OMRSD	O&M Requirements and Specification Documentation
OME	Orbital Main Engine		Operational Maintainability Reporting Systems Document
	Orbital Maneuvering Engine		Operational Maintenance Requirements and Specifications Document
	Orbiter Main Engine	OMRSP	Operations and Maintenance Requirements and Specification Document
OMET	Orbiter Mission Elapsed Time	OMS	Operations Management System
OMEWG	Orbiter Maintenance Engineering Working Group		Orbital Maneuvering Subsystem (System)
OMI	Operations and Maintenance Instruction	OMSF	Office of Manned Space Flight (now OSTs)
OMIS	Operational Management Information System	OMSP	Operational Maintenance Support Plan
OMISS	Operation and Maintenance Instruction Summary Sheet(s)	OMU	Optical Measuring Unit
OML	Orbiter Mold Line	OMV	Orbital Maneuvering Vehicle
	Outer Mold Line		Oxygen Manual Valve
	Outside Mold Line	ONBD	Onboard
OMMH	Orbiter Maintenance Man-Hours	ONBT	Orbiter Neutral Buoyancy Trainer
OMNI	Omni-Range	OND	Operator Need Date
	Omnidirectional	ONR	Office of Naval Research
OMP	Operations and Maintenance Plan	OOD	Orbiter On-Dock
OMPR	Operational Maintainability Problem Reporting	OODP	Out-of-Detent Pitch
OMPT	Observed Mass Point Trajectory	OODR	Out-of-Detent Roll
OMR	Operations and Maintenance Requirements	OOMM	Organizational Operations and Maintenance Manual

OOP	Out of Position	OPPF	Operation of Property and Pressurization Facility
OOS	On-Orbit Station	OPPL	Orbiter Project Parts List
	Orbit-to-Orbit Shuttle	OPR	Office of Primary Responsibility
	Orbit-to-Orbit Stage		Operations Planning Review
OOSDP	On-Orbit Station Distribution Panel		Operator
OOT	Out of Tolerance		Orbiter/Payload Recorder
OP	Open		Oxygen Pressure Regulator
	Operate	OPRV	Oxygen Pressure Relief Valve
	Operation	OPS	Operations
	Oxygen Purge		Operations Sequence
OPA	Operations Planning Analysis		Orbiter Project Schedules
OPB	Oxidizer Preburner		Oxygen Purge System
OPCG	Organic Polymer Crystal Growth	OPSB	Orbiter Processing Support Building
OPDAR	Optical Detection and Ranging	OPSR	Operations Supervisor (GSTDN Site)
OPE	Other Project Element	OPSS	Orbital Propellant Storage Subsystem
OPER	Operation	OPT	Operational Pressure Transducer
	Operations, Operate, Operator		Optics
OPF	Orbiter Processing Facility		Optimum
OPFC	Orbiter Preflight Checklist		Option
OPGUID	Optimum Guidance (Technique)	OPTB	Operational Program Time Base
OPI	Orbiter Payload Interrogator		Opposite
OPIDF	Operational Planning Identification File	OR	Operational Right DSC or MDM
OPIS	Orbiter Prime Item Specification		Operational Recorder
OPL	Open Problem List		Operations Requirement
	Operational		Operations Review
OPLF	Orbiter Processing and Landing Facility		Operations Room
OPNS	Operational Phase		Outer Roll
OPO	Orbiter Project(s) Office		Oxygen Relief
OPOV	Oxidizer Preburner Oxidizer Valve	ORB	Orbit, Orbital, Orbiter
OPOVA	Oxidizer Preburner Oxidizer Valve Actuator		Order
OPP	Opportunity	ORB 1-g	Orbiter 1-g (trainer)
	Opposite	ORCHIS	Oak Ridge Computerized Hierarchical Information System
OPPAR	Orbiter Project(s) Parts Authorization Request		

ORD	Operational Readiness Date Operational Ready Data Operational Requirements Document Orbital Requirements Document Ordnance	OSCRS	Orbital Spacecraft Consumables Resupply System
ORE	On-Orbit Repair Experiment	OSDH	Orbiter System Definition Handbook
ORDC	Orbiter Data Reduction Center	OSE	Operating Support Equipment Orbiter Support Equipment
ORF	Orifice	OSF	Office of Space Flight (now OSTS) Ordnance Storage Facility
ORG	Organization	OSHA	Occupational Safety and Health Act (Activity) Occupational Safety and Health Administration
ORI	Operational Readiness Inspection	OSLM	Operations Shop/Lab Manager
ORIDE	Override	OSM	Orbital Service Module
ORIEN	Orientation	OSMP	Operational Support Maintenance Plan
ORIG	Origin	OSO	Ocean Systems Operation Orbiting Solar Observatory
ORLA	Optimum Repair Level Analysis	OSOP	Orbiter Systems Operating Procedures
ORP	OFS Retransmission Processor	OSP	Operations Support Plan
ORR	Operational Readiness Review Operations Requirements Review Orroral Valley, Australia (STDN)	OSR	Operations Support Room
ORS	Orbital Refueling System	OSS	OEX Support System Office of Space Science Office of Space Station Optics Subsystems Orbiting Space Station
ORSA	Ogive Recovery System Assembly	OSSA	Office of Space Science and Applica- tions
ORSDI	Oak Ridge Selective Dissemination of Information	OSSRH	Orbiter Subsystem(s) Requirements Handbook
ORT	Operational Readiness Test Orbit Readiness Test	OST	Operations Support Team (GSFC) Orbiter Support Trolley
ORTHOG	Orthogonal	OSTA	Office of Space and Terrestrial Appli- cation(s)
ORUC	Orbital Replacement Unit Carrier	OSTDS	Office of Space Tracking and Data Systems
ORU's	Orbital Replacement Units	OSTO	Office of Space Transportation Opera- tions
OS	On-Orbit Station Operating Software Operating System Optics Subsystem Orbital Servicing Orbiter CEI Specification		
OSA	Operational Support Area		
OSC	Operations Support Center Orbital Sciences Corporation Oscillator		

OSTP	Office of Science and Technology Policy Orbiting System Test Plan	OTS	Off-the-Shelf Orbiter Test Conductor
OSTS	Office of Space Transportation Systems	OTT	Optional Team Targeting
OT	Operating Time Operational Instrumentation MDM— Tank Operational Test Operational Trajectory Optical Tracker Out Temperature Overtime	OTV	Operational Television Orbiter Transfer Vehicle
OT&E	Operational Test and Evaluation	OUCD	Operations Utilization and Capability Development
OTA	Optical Telescope Assembly	OUP	OFS Uplink Processor
OTB	Orbiting Tanker Base	OUT	Orbiter Utilities Tray Outlet Output
OTBD	Outboard	OUTBD	Outboard
OTBV	Oxidizer Turbine Bypass Valve	OV	Orbiter Vehicle Oxygen Vent
OTC	Orbiter Test Conductor	OVBD	Overboard
OTD	Operational Technical Documentation Orbiter Test Director	OVCO	Operational Voice Communication Office
OTDA	Office of Tracking and Data Acquisition (now OSTDS)	OVF	Overfill
OTEMP	Overtemperature	OVFL	Overflow
OTF	Ocean Test Fixture Orbital Test Flight	OVHD	Overhead
OTG	Objective Transmission Grating	OVHT	Overheat
OTH	Over-the-Horizon (Radar)	OVI	Operational Validation Inspection
OTK	Oxidizer Tank	OVLD	Overload
OTL	Ordnance Test Laboratory	OVRD	Override
OTLC	Orbiter Timeline Constraints	OVS	Operational Voice System
OTO	One-Time-Only	OVV	Overvoltage
OTOS	Orbit-to-Orbit Stage	OW	Optical Window
OTP	Operational Test Procedure Operations Test Plan Operations Turnaround Plan	OWD	One-Way Doppler
OTR	Operating Time Record Outer	OWDE	One-Way Doppler Extraction
		OWF	Optimum Working Frequency
		OWS	Operations Work Station Optical Witness Sample
		OX	Oxidizer
		OXD	Oxide, Oxidizer
		OXDZR	Oxidizer
		OXID	Oxidizer
		OXY	Oxygen

OZ	Ozone
oz	Ounce

P

P	Pallet (Spacelab)
	Period
	Pilot
	Pitch
	Pole
	Pressure
	Primary
	Prime
	Roll Rate (Angular Rate)
P&FS	Particles and Fields Subsatellite
P&I	Performance and Interface (Specification)
P&M	Performance Monitor
	Phase Modulation (Modulated)
	Planetary Mission
	Preventive Maintenance
	Processes and Materials
	Program Milestone
	Pulse Modulation
P&R	Performance and Resources
P&SM	Procurement and Subcontract Management
P&W	Pratt and Whitney
P-BAND	225 to 390 MCS
P-P	Peak-to-Peak (Value)
P-TUBE	Pneumatic Tube
P-WEAR	Preliminary Work Breakdown Structure Element Audit Review
P/A	Problem Analysis
	Propulsion/Avionics
P/B	Preburner
	Pushbutton
P/C	Pitch Control

P/L	Parts List
	Payload
	Postlanding
	Purchased Labor
P/N	Part Number
P/P	Patch Panel
	Printer/Plotter
P/PL	Primary Payload
P/S	Parallel to Serial Converters
	Payload Specialist
P/Y	Pitch/Yaw
PA	Pad Abort
	Paging and Area Warning
	Power Amplifier
	Product Assurance
	Public Address
	Public Affairs
	Pulse Amplifier
PABX	Private Automated Branch Exchange
PAC	Pressure Alpha Center
	Probe Aerodynamic Center
	Problem Action Center
	Problem Assessment Center
PACAS	Personnel Access Control Accountability System
PACC	Problem Action Control Center
PACE	Prelaunch Automatic Checkout Equipment
PACS	Payload Actuation and Control System
	Pointing and Attitude Control System
PAD	Preliminary Advisory Data (Crew Data Uplink)
	Program Approval Document
	Propellant Acquisition Device
PAE	Preventive Action Engineer
	Problem Assessment Engineer

PAF	Payload Attach Fitting Peak Annual Funding	PASS	Planning and Scheduling System Primary Avionics Software System
PAFB	Patrick Air Force Base	PAT	Problem Action Team Production Acceptance Test
PAH	Payload Accommodations Handbook	PATH	Postflight Attitude and Trajectory History
PAL	Protuberance Aerodynamic Load	PATIE	Pointing and Tracking Integrated Experiment
PAL APA	Indonesian Communications Satellite	PATP	Preliminary Authority To Proceed
PALS	Photo Area and Location System Precision Approach and Landing Sys- tem	PATS	Program for Analysis of Time Series Programmable Automatic Test System
PAM	Particle Anticoincidence Mantle Payload Assist Module Pulse Amplifier Modulation Pulse Amplitude Modulation	PAU	Probe Aerodynamic Upper
PAM-A	PAM, Atlas-Centaur Class Spacecraft	PAV	Pneumatic Actuated Valve Pressure Actuated Valve
PAM-D	PAM, Delta Class Spacecraft	PAX	Passengers
PAM-DII	Payload Assist Module-Delta Class 2	PAYCOM	Payload Command Payload Command Controller
PAMB	Pressure Ambient	PAYDAT	Payload Data
PAN	Polyacrylonitrile	PB	Phonetically Balanced Playback Preburner (P/B preferred) Pushbutton
PAO	Public Affairs Office (Officer)	PBAN	Polybutadiene Acrylonitrile (Pro- pellant)
PAP	Payload Activity Planner Product Assurance Plan	PBD	Payload Bay Door
PAPI	Precision Approach Path Indicator	PBDF	Payload Bay Door FWD
PAR	Payload Accommodations Require- ments Planning Action Request Precision Approach Radar Problem Accountability Record Problem Action Record Problem Action Request Product Acceptance Review	PBDM	Payload Bay Door Mechanism
PARA	Paragraph	PBI	Push Button Indicator
PARAM	Parameter	PBIC	Programmable Buffer Interface Card
PARLIQ	Phase Partitioning in Liquids	PBIM	Programmable Buffer Interface Module
PARS	Property Accountability Record System	PBK	Payload Bay Kit
PAS	Payload Accommodation Studies Primary Ascent System Problem Assessment System	PBL	Payload Bay Liner
		PBM	Power Balance Model Program Business Management
		PBP	Preburner Pump
		PBPS	Post-Boost Propulsion System(s)
		PBW	Proportional Band Width

PC	Pressure Chamber Personal Computer Pitch Control Plane Change Planetary Camera Power Converter Printed Circuit (Card) Project Control Pulsating Current	PCG	Phonocardiogram Protein Crystal Growth
PCA	Payload Clamp Assembly Physical Configuration Audit Pitch Control Assembly Pneumatic Control Assembly Point of Closest Approach Power Control Assembly	PCGE	Protein Crystal Growth Experiment
PCASS	Program Compliance Assurance and Status System	PCH	Program Critical Hardware
PCB	Power Circuit Breaker Power Control Box Printed Circuit Board Product Configuration Baseline	PCI	Peripheral Controller Interface Procedure Change Unit Production Configuration Identification Program Control Input
PCC	Pad Control Center Payload Control and Checkout Production Control Centers	PCIL	Pilot-Controlled Instrument Landing
PCCB	Program Configuration Control Board	PCIN	Program Change Identification Number Program Change Incorporation Notice Program Change Integration
PCCE	Particle Cloud Combustion Experiment Payload Common Communication Equipment	PCL	Pallet Coolant Loop Power Control List Primary Coolant Line Primary Coolant Loop Programming Check List
PCCM	Program Change Control Management	PCM	Power Control Mission Pulse Code Modulation Pulse Code Modulator Punch Card Machine
PCCN	Provisioning Contract Control Number	PCMD	Pulse-Code Modulation, Digital
PCCP	Preliminary Contract Change Proposal	PCME	Pulse-Code Modulation Event
PCD	Procurement Control Document	PCMMU	PCM Master Unit Pulse-Code Modulation Master Units
PCDA	Process Control and Data Acquisition	PCMS	Pulse-Code Modulation Shared
PCDU	Payload Command Decoder Unit	PCN	Page Change Notice Program Change Notice Program Control Number
PCEM	Propulsion Contamination Effects Module	PCO	Postcheckout Postcheckout Operations Procuring Contracting Officer Program Controlled Output
PCF	Payload Control Facility	PCOT	Payload Center Operations Team

PCP	Power Control Panel Program Change Proposal Project Change Proposal Project Cost Plan	PD	Pitch Down Preliminary Design Procurement Document Procurement Drawing Program Development Program Directive Project Directive Propellant Dispersal
PCR	Payload Certification Review Payload Changeout Room Payload Checkout Room Power Change Request Program Change Request Project Control Room Publication Change Request	PD&RS	Payload Deployment and Retrieval Subsystem
PCRB	Program Change Review Board (RI Launch Operations)	PDA	Power Distribution Assembly Preliminary Design Audit Propellant Drain Area
PCS	Payload Checkout System Payload Control Supervisor Pointing Control System Power Conversion System Pressure Control System Primary Coolant System Procedure Completion Sheet	PDAR	Program Description and Requirements
PCT	Percent	PDB	Performance Data Book Power Distribution Box Project Data Base
PCTC	Payload Crew Training Complex	PDC	Predefined Command Procurement Document Change
PCTE	Portable Commercial Test Equipment	PDCR	Proprietary Data Control Record
PCTO	Payload Cost Tradeoff Optimization	PDCS	Power Distribution and Control System (Subsystem)
PCU	Payload Checkout Unit Power Control Unit Pressure Control Unit Process Control Unit	PDH	Pocket Dosimeter–High
PCV	Precheck Verification Purge Control Valve	PDI	Payload Data Interleaver Payload Deployment and Retrieval System
PCVB	Pyro Continuity Verification Box	PDIP	Program Development Integration Plan
PCVL	Pilot Controlled Visual Landing	PDL	Pocket Dosimeter–Low Procedure Distribution List Program Design Language
PCZ	Physical Control Zone	PDM	Processor Data Monitor Pulse Duration Modulation
		PDM/FM	Pulse Duration Modulation/Frequency Modulation
		PDMR	Program Director's Management Review

PDP	Plasma Diagnostics Package Postinsertion Deorbit Preparation Postinsertion Deorbit Prep Checklist Preliminary Definition Plan Procurement Data Package Program Development Plan Project Definition Phase	PDV	Pressure Disconnect Valve
		PE	Perkin Elmer Project Engineer
		PEAP	Personal Egress Air Packs
		PEB	Performance Evaluation Board
		PED	Payload Element Developer Pedal Pedestal Platform Equipment Deck
PDR	Preliminary Data Requirements Preliminary Design Review Process Description Report Processed Data Recorder Program Design Review Program Director's Review	PEFO	Payload Effects Follow-on Study
		PEIR	Project Equipment Inspection Record
		PEL	Precision Elastic Limit
		PEM	Plant Engineering and Maintenance
PDRD	Procurement Data Requirements Document Program Definition and Requirements Document	PEN	Penicillin
		PEP	Power Extension Package
PDRL	Procurement Data Requirements List	PER	Perigee Period Preliminary Engineering Report
PDRM	Payload Deployment and Retrieval Mechanism	PERD	Payload Element Requirements Document
PDRS	Payload Data and Retrieval System Payload Deployment and Retrieval System(s)	PERF	Perform, Performance
		PERM	Permanent
PDRSS	Payload Development and Retrieval System Simulator	PERT	Program Evaluation Review Technique
		PES	Post Ejection Sequencer
PDRSTA	Payload Deployment and Retrieval System Test Article	PET	Phase Elapsed Time
		PETA	Performance Evaluation and Trend Analysis
PDS	Package Data System Partitioned Data Set Power Distribution System (Subsystem) Problem Data System	PETB	Preflight Test Bus
		PETN	Petaerythrite Tetranitrate
PDU	Performance Diagnostic Unit Pilot Display Unit Power Drive Unit Pressure Distribution Unit Pulse Detection Unit	PETS	Payload Environmental Transportation System P/L Experiment Test System (KSC) POCC Experiments Timeline System (GDSD and Spacelab)

PF	Parachute Facility Payload Forward Payload Function Payload Operational Instrumentation MDM-FWD Power Factor Powered Flight Preflight Prime Function Probability of Failure Pulse Frequency	PG	Power Generation Pressure Gauge
PFA	Palmdale Final Assembly	PGA	Power Generating Assembly Pressure Garment Assembly Programmable Gain Amplifier
PFB	Payload Feedback Payload Forward Bus Position Feedback Pressure Fed Booster	PGC	Plant Growth (unit) Plant Growth Chamber
PFC	Performance Flight Certification Postflight Checkout Power Factor Corrector Preflight Certification Preliminary Flight Certification	PGCP	Particles and Gases Contamination Panel
PFCF	Payload Flight Control Facility	PGDCS	Power Generation, Distribution, and Control Subsystem
PFCS	Primary Flight Control System	PGE	Purge
PFK	Payload Function Key	PGHM	Payload Ground Handling Mechanism
PFL	Primary Freon Loop	PGM	Program(able)
PFM	Platform Pulse Frequency Modulation	PGNCS	Primary G&N and Control System (Subsystem)
PFP	Program Financial Plan Programmable Functional Panel	PGOR	Payload Ground Operation Require- ments
PFR	Portable Foot Restraint	PGORS	Payload Ground Operations Require- ments Study
PFRT	Preliminary Flight Rating Test	PGOWG	Payload Ground Operations Working Group
PFRX	Preflight Relmat (X-1,2,3...9 or A,B,C...Z)	PGR	Spacelab Planning and Ground Rule
PFS	Percent Full Scale Primary Flight System	PGRWG	Payload Ground Requirements Work- ing Group
PFTA	Payload Flight Test Article	PGS	Power Generation Subsystem
		PGSE	Payload Ground Support Equipment
		PGSM	Payload Gimbal Separation Mechanism
		PGU	Plant Growth Unit
		PGWG	Particles and Gasses Working Group
		PH	Personal Hygiene Phase
		pH	Hydrogen-Ion Concentration (Alkalinity)
		PHA	Preliminary Hazard Analyses Pulse Height Analyzer

PHCF	Pituitary Growth Hormone Cell Function	PICA	Pyrotechnic Initiator Control Assembly
PHF	Personal Hygiene Facility Payload Handling Fixture	PICP	Program Interface Control Plan
PHK	Personal Hygiene Kit	PICRS	Program Information Control and Retrieval System
PHM	Per Hundred Million		Program Information Coordination and Review Service
PHMC	Probe Heater Motor Controller	PICS	Photo Index and Cataloging System
PHOTO	Photograph Photography of Mexico		Predefined Input Control Sequence
PHOTONS	Photometric Thermospheric Oxygen Nightglow Study	PID	Parameter Identification Payload Insertion Device Program Information Document Program Introduction Document
PHP	Payload Handling Panel	PIDA	Payload Installation and Deployment Aid
PHR	Payload Hazardous Report	PIDS	Portable Image Display System
PHS	Payload Handling Station	PIE	P/L Integration Equipment
PHS&T	Packaging, Handling, Storage, and Transportation	PIECP	Preliminary Impact Engineering Change Proposal
PHSF	Payload Hazardous Servicing Facility (KSC)	PIF	Payload Integration Facility
PI	Payload Interrogator Pen and Ink (Document Update) Preliminary Investigation Principal Investigator Procurement Item Program Introduction	PIGA	Pendulous Integrating Gyro Accelerometer
PIA	Preinstallation Acceptance Project Impact Analysis Project Initiation Agreement	PII	Procurement Instrument Identification
PIAR	Project Impact Analysis Report	PIIN	Procurement Instrument Identification Number
PIB	Pyrotechnic Installation Building	PIM	Pulse Interval Modulation
PIC	Payload Integration Center Payload Integration Committee Preinstallation Checkout Programmable Interval Clock Pyro Ignition Control Pyro Initiator Capacitors Pyro Initiator Controller Pyrotechnic Initiator Controller	PIND	Particle Impact Noise Detection Payload Integration Plan
		PIO	Pilot-Induced Oscillation Public Information Office
		PIP	Payload Integration Plan Payload Interface Plan Plant Instrumentation Program Production Instrumentation Package Professional Intern Program Project Implementation Plan

PIPA	Pulse Integrating Pendulum Accelerometers	PLDS	Payload Support
	Pulse Integrating Pendulum Assembly	PLGSS	Payload Ground Support Systems
PIRN	Preliminary Interface Revision Notice	PLH	Payload Handling
PIT	Preinstallation Test	PLI	Payload Interrogator
PITG	Payload Integration Task Group	PLISN	Provisioning List Item Sequence Number
PITS	Payload Integration Test Set	PLL	Phase Locked Loop
PIU	Power Interface Unit	PLM	Payload Management
	Pyrotechnic Initiator Unit		Payload Monitoring
PIV	Peak Inverse Voltage	PLMS	Program Logistics Master Schedule
PK	Peak (Valve)	PLN	Plan
	Prozesskamer (Spacelab D-1 Experiment)		Program Logic Network
PK/PK	Peak to Peak	PLRD	Payload Requirements Document
PKD	Programmable Keyboard and Display	PLRV	Payload Launch Readiness Verification
PKG	Package	PLS	Payload Systems
PKM	Perigee Kick Motor		Post Landing and Safing
PKT	Pocket		Preliminary Landing Site
PL	Payload (P/L preferred)		Primary Landing Site
	Plate		Propellant Loading System
	Plug		Pulse
	Postlanding (P/L preferred)	PLSL	Propellants and Life Support Laboratory
	Prelaunch	PLSP	Payload Signal Processor
PL/SNSR	Payload Sensor	PLSS	Portable Life Support Subsystem
PLA	Parachute Location Aid		Primary Life Support Subsystem
PLACE	Position Location Aircraft Communications Equipment	PLT	Pilot
PLAST	Propellant Loading All Systems Test		Production Lead Time
PLAT	Platform	PLTS	Precision Laser Tracking System
PLB	Payload Bay	PLUM	Payload Umbilical Mast
PLBD	Payload Bay Door(s)	PLV	Postlanding Vent
PLBK	Playback (PB preferred)	PLVC	Postlanding Vent Control
PLC	Preliminary Loads Cycle		
	Pressurized Logistics Carrier		
PLD	Program Listing Document		
PLDI	Payload Data Interleaver		
PLDM	Payload Management		

PM	Payload Management Payload Midbody Performance Monitor Phase Modulation Polymer Morphology Pressurized Module Preventive Maintenance Primary Mirror Project Manager Pulse Modulation	PMI	Preventive Maintenance Inspection Preventive Maintenance Instruction Principal Maintenance Inspector
PMA	Performance Monitor Annunciator	PMIA	Parallel Multiplexer Interface Adapter
PMAC	Personnel Management Advisory Committee	PMIC	Payload Mission Integration Contract
PMAD	Performance Monitor Annunciation Driver Power Management and Distribution	PMIR	Program Manager's Integration Review
PMAP	Performance Monitor Annunciation Panel	PMIS	Personnel Management Information System
PMAT	Page Map Address Table	PML	Preliminary Materials List
PMBT	Propellant Mean Bulk Temperature	PMM	Property Management Manual
PMC	Payload Monitoring and Control Permanently Manned Capability Plutona-Molybdenum Cermet Postmanufacturing Checkout Private Medical Communication Procurement Method Code	PMN	Program Management Network
PMD	Palmdale (TACAN Station) Profile Measurement Device	PMOM	Performance Management Operations Manual
PMDL	Palmdale, CA	PMON	Performance Management Operations Network
PMEL	Precision Measurements Equipment Laboratory	PMP	Parts, Materials, and Processes Payload Mounting Panels Performance Management Package Premodulation Processor Program Management Plan Pump
PMF	Performance Monitor (Monitoring) Function Perigee Motor Firing Program Management Facility	PMPL	Preferred Mechanical Parts List
PMG	Plasma Motor Generator	PMR	Performance Measurement Report Program Manager's Review
PMHL	Preferred Measurement Hardware List	PMS	Packet Memory System Performance Mangement System Performance Measurement System Performance Monitoring System Personnel Management Specialist Platform Management System Project Management System
		PMT	Photomultiplier Tube Planning/Management Team Production Monitoring Test
		PMTC	Pacific Missile Test Center

PMU	PCM Master Unit Pressure Measuring Unit Pulse Modulation Unit	POP	Perpendicular-to-Orbit Plane Polar Orbiting Platform Preburner Oxidizer Pump Preflight Operations Procedures Prelaunch Operations Plan Program Operating Plan
PMVE	Primary Mirror Vortex Fixture	POPA	Payload Ordnance Processing Area
PN	Past Number (P/N preferred) Pseudo Noise Pseudorandom Noise	POPU	Push Over Pull Up
PNEU	Pneumatic	POR	Purchase Order Request
PNL	Panel	PORB	Production Operations Review Board
PNP	Prenegotiation Position	PORCN	Production Order Records Change Notice
PO	Personnel Office (KSC Directorate) Postorbit Purchase Order	PORD	Performance and Operations Requirements Document
POA	Plan of Action	PORR	Preliminary Operations Requirements Review
POC	Payload Operations Center Purchase Order Closeout	PORT	Portable
POCC	Payload Operations Control Center	POS	Pacific Ocean Ship Portable Oxygen System Position
POCN	Purchase Order Change Notice	POSA	Passive Optical Sample Assembly
POD	Payload Operations Director Payload Operations Division (JSC) Probability of Detection Proximity Optical Device	POST	Payload Operations Support Team Positive Program to Optimize Simulated Trajectories
POE	Pilot Operational Equipment	POT	Potable Potentiometer
POF	Pinhole Occulter Facility	POV	Peak Operating Voltage Pneumatic Operated Valve
POGO	Pogo Suppression System Polar Orbiting Geophysical Observatory	POWG	Payload Operations Working Group
POI	Product of Inertia	POWS	Project Operating Work Statement
POL	Petroleum, Oil, and Lubricants	PP	Partial Pressure Planning Package Power Pole Program Performance Push-Pull
POLAR	International Solar Terrestrial Physics Program Production Order Location and Reporting		
POM	Pallet-Only Mode Printer Output Microfilm		
POMT	Planning Operations Management Team		

PPB	Parts per Billion (p/b preferred) Program Performance Baseline		Pressure Pressure Ratio
PPC	Phased Provisioning Code Preprocessing Center		Pressure Regulator Primary
PPCO₂	Partial Pressure CO ₂		Problem Report
PPE	Phase Partitioning Experiment		Procurement Regulation
PPEP	Plasma Physics and Environmental Perturbation		Procurement Requisition Pulse Rate
PPF	Payload Processing Facility (USAF)		Purchase Request
PPH	Pounds Per Hour (lb/h preferred)	PRACA	Problem Reporting and Corrective Action
PPI	Plan Position Indicator Pulse Position Indicator	PRB	Panel Review Board Parachute Refurbishment Building
PPIL	Priced Provisioned Item List		Paso Robles (TACAN Station) Project Review Board
PPL	Planning Parts List Priced Parts List Provisioning Parts List	PRC	People's Republic of China (Payload) People's Republic of China Satellite Planning Research Corporation
PPM	Part Per Minute Parts Per Million (p/m preferred) Prime Period of Maintenance Pulse Per Minute Pulse Position Modulation	PRCA	Problem Reporting and Corrective Action
PPME	Pacific Plate Motion Experiment	PRCB	Program Requirements Change Board Program Requirements Control Board
PPO₂	Partial Pressure O ₂		Program Review Control Board
PPP	Peak Pulse Power Programmable Power Processor	PRCBD	Program Requirements Control Board Directive
PPR	Payload Preparation Room		Program Review Control Board Directive
PPS	Peripheral Processing System Pneumatic Power Subsystem Printer/Plotter System Provisioning Performance Schedule Pulse Per Second	PRCS PRD	Primary Reaction Control System Payload Retention Device Personal Radiation Dosimeter Procurement Regulation Directive Procurement Requirements Document Program Requirements Documents (UDS) Project Requirement Document
PQGS	Propellant Quantity Gauging System	PRE	Personal Rescue Enclosure
PQI	Propellant Quantity Indicator	PRE-MOD	Premodulation
PR	Pair Payload Recorder Performance Report Position Record		

PREAMP	Preamplifier		Propulsion Engineer
PREF	Preference	PROPLT	Propellant
PREFLT	Preflight	PROX	Proximity
PREL	Preliminary	PRP	Personnel Reliability Program
PREP	Preparation	PRPS	Programming Requirements Process Specification
	Prepare	PRR	Parts Replacement Request Preliminary Requirements Review Program Requirements Review Pulse Repetition Rate
PRES	Present		
PRESS	Pressurant Pressure	PRS	Payload Retention Subsystem Personnel Rescue Service Personnel Rescue System Power Reactant System (Subsystem) Precision Ranging System Primary Recovery Site Primary Rescue Site Provisioning Requirements Statement
PREV	Previous		
PREVLV	Prevalve	PRSD	Power Reactant Storage and Distribu- tion Power Reactant Supply and Distribu- tion
PRF	Parachute Refurbishment Facility Pulse Repetition Frequency	PRSDS	Power Reactant Storage and Distribu- tion System
PRI	Primary	PRSS	Problem Report Squawk Sheet
PRI-PL	Primary Payload	PRT	Pulse Repetition Time
PRIM	Primary	PRTL	Powered Return to Launch Site
PRL	Page Revision Log Priority Rate Limiting	PRU	Power Regulator Unit
PRM	Payload Retention Mechanism Pocket Radiation Monitor Posigrade Rocket Motor Pulse Rate Modulation	PRV	Pressure Reduction Valve
PRN	Program Release Notice Pseudorandom Noise Pulse Range Navigation	PS	Parachute Subsystem Payload Specialist Payload Station Payload Support Power Supply Pressure Switch Prime Select
PRO	Proceed		
PROB	Problem	PS/FC	Power Supply/Fuel Cell
PROC	Procedure Processor, Process Procurement		
PROG	Program Progress		
PROJ	Project		
PROM	Programmable Read-Only Memory		
PROP	Propellant Proportioning Propulsion		

PSA	Payload Service Area Payload Support Avionics Power Servo Amplifier Power Servo Assembly Pre/Post Sleep Activity Preferred Storage Area Pressure Switch Assembly Provisions Stowage Assembly	PSG	Power Subsystem Group
PSAC	Presidential Scientific Advisory Committee	PSI	Power Static Inverter
PSC	Parallel Switch Control Platform Support Center Program Schedule Chart Program Support Contractor	psi	Pounds Per Square Inch (Static Pressure) (lb/in ² preferred)
PSCL	Propellant Systems Cleaning Laboratory	psia	Pounds Per Square Inch Absolute
PSCN	Preliminary Specification Change Notice Program Support Communications Network	psid	Pounds Per Square Inch Differential
PSD	Power Spectral Density Program Support Document	PSIG	Propulsion Systems Integration Group
PSDP	Payload Station Distribution Panel	psig	Pounds Per Square Inch Gauge
PSDR	Planning and Scheduling Document Record	psis	Pounds Per Square Inch Sealed
PSE	Payload Service Equipment Payload Servicing Equipment Payload Support Equipment Peculiar Support Equipment Physiological Systems Experiment	PSK	Phase Shift Keyed
PSF	Payload Servicing Fixture Point Spread Function Processing and Staging Facility (SRB) Processing and Storage Facility (ET)	PSL	Perpendicular to the Sun Line Pressure Seal Propellant Seal
psf	Pounds Per Square Foot (lb/ft ² preferred)	PSM	Phase Sensitive Modulator Propellant Storage Module Pyro Substitute Monitor
PSFC	Power Supply/Fuel Cell	PSN	Purge Sequence Number
		PSOP	Payload Systems Operating Procedures
		PSP	Payload Signal Processor Payload Specialist Panel Payload Support Plan Program Support Plan Project Schedule Plan
		PSPA	Pressure Static Probe Assembly
		PSPL	Priced Spare Parts List
		PSR	Pre-Shipment Review Program Status Review
		PSRD	Program Support Requirements Document
		PSS	Pad Safety Supervisor Payload Specialist Station Payload Support System Propellant Supply Subsystem Propulsion Support System
		PSSA	Payload Support Structural Assembly
		PSSP	Payload Specialist Station Panel

PSST	Periodic Significant Scheduled Tasks	PTO	Participating Test Organizations
PSSU	Patch Survey and Switching Unit		Power Test Operations
PSTF	Payload Spin Test Facility	PTP	Point-to-Point Phone(s)
PSU	Power Sensor Unit		Pumped Two-Phase Mounting Plate
	Power Switching Unit	PTR	Preliminary Test Report
PSV	Planetary Space Vehicle		Printer
PSW	Program Status Word		Program Trouble Report
PT	Advanced Planning and Technology Office (KSC Dir.)	PTS	Payload Test Set
	Part Time		Payload Transportation System
	Pint	PTT	Push-to-Talk
	Pitch Trim	PTV	Pathfinder Test Vehicle
	Point	PTZ	Pan Tilt Zoom
	Pressure Transducer	PU	Pickup
PTA	Post-Test Analysis		Power Unit
	Potential Toxic Area		Propellant Unit
	Propulsion Test Article		Propellant Utilization
PTB	Payload Timing Buffer	PUB	Publication
PTC	Passive Thermal Control	PUCS	Propellant Utilization Control System
	Payload Training Complex	PUGS	Propellant Utilization and Gauging System
	Portable Temperature Controller	PUPO	Pull Up Push Over
PTCR	Pad Terminal Connection Room	PUSS	Pallet Utility Support Structure
PTCS	Passive Thermal Control Section	PUV	Propellant Utilization Valve
	Passive Thermal Control System	PV	Prevalve
	Planning, Training, and Checkout System	PV&D	Purge, Vent, and Drain
	Propellant Tanking Computer System	PVA	Preburner Valve Actuator
PTD	Provisioning Technical Documentation		Propellant Valve Actuator
PTDDSS	PTD Data Selection Sheet	PVD	Purge, Vent, Drain System
PTF	Payload Training Facility	PVR	Precision Voltage Reference
PTFE	Polytetrafluorethylene	PVRD	Purge, Vent, Repressurize, and Drain
PTI	Preliminary Test Information	PVRO	Pyrotechnics
	Pre-Programmed Test Input	PVT	Physical Vapor Transport
	Programmed Test Input		Preflight Verification Test
PTIS	Program Test Input System		Pressure, Volume, and Temperature
PTM	Pulse Time Modulation		Pressure/Volume/Temperature
PTMS	Precision Torque Measuring System		Private
			Pyrotechnic Verification Test

PVTOS	Physical Vapor Transport of Organic Solids
PVWA	Planned Value of Work Accomplished
PVWS	Planned Value of Work Scheduled
PW	Pulse Width
PWA	Pratt and Whitney Aircraft Private Write Area Product Work Authorization
PWB	Printed Wire Board
PWBS	Program Work Breakdown Structure
PWM	Pulse-Width Modulation
PWMD	Printed Wiring Master Drawing
PWR	Power
PWS	Pricing Work Statement
PY	Program Year
PYRO	Pyrotechnics

Q

Q	Dynamic Pressure Pitch Rate (Angular Rate)
Q Alpha	Pitch Dynamic Pressure
Q Beta	Yaw Dynamic Pressure
Q-BAND	36,000 to 46,000 MCS
QA	Quality Assurance
QAC	Quality Assurance Chart
QACAD	Quality Assurance Corrective Action Document
QAM	Quality Assurance Manual
QAP	Quality Assurance Procedure
QAPP	Quality Assurance Program Plan
QAR	Quality Assurance Responsible/ Witness
QATT	Qualification for Acceptance Thermal Testing
QAVT	Qualification Acceptance Vibration Test Qualification for Acceptance Vibration Testing
QC	Quality Control
QCB	Queue Control Block
QCDR	Quality Control Deficiency Report
QCOP	Quality Control Operating Procedure
QD	Quick Disconnect
QD'S	Quick Disconnects
QDR	Qualification Design Review
QDS	Quality Data System
QE	Quality Engineer
QEC	Quick Engine Change
QF	Quality Factor
QGS	Quantity Gauging System
QINMS	Quadruple Ion Neutral Mass Spec- trometer

QL	Quick Look
QLDR	Quick Look Data Reference
QLDS	Quick Look Data Station
QLS	Quick Look Station
QM	Qualification Model Qualification Motor
QPL	Qualified Parts List Qualified Products List
QPR	Quarterly Progress Report
QPRD	Quality Planning Requirements Document
QPS	Quality Planning Specification Quantity Planning Specification
QPSK	Quadrature Phase Shift Key
QRE	Quick-Reaction Estimate
QRI	Quick-Reaction Integration
QRIA	Quick-Reaction Integration Activity
QRS	Quick-Reaction Sortie
QRSL	Quick-Reaction Space Laboratory
QSA	Qualification Site Approval
QSGVT	Quarter Scale Ground Vibration Test
QSI	Quality Step Increase
QSL	Qualified Source List
QSM	Quarter Scale Model
QSMVT	Quarter Scale Model Vibration Testing
QSS	Quindar Scanning System
QT	Qualification Test
QTP	Qualification Test Plan
QTR	Qualification Test Report Quarter
QTRS	Quarters
QTY	Quantity
QUAD	Quadrangle, Quadrant, Quadrature
QUADS	Quality Achievement Data System
QUAL	Qualification, Qualified Quality
QUAT	Quaternion

QUELD	Queens University Experiment in Liquid Metal Diffusion
QUI	Quito, Ecuador (STDN)
QUIC	Quality Data Information and Control
QUP	Quality Unit Pack
QVT	Qualified Verification Testing
QVVT	Qualified Verification Vibration Testing

R

R	Gas Constant	R-OUT	Rollout
	Radius	R-T	Resistance Test
	Range	R/A	Radar Altimeter
	Range Rate	R/C	Radio Comand
	Rankine		Rate of Climb
	Ratio		Remote Control
	Rear	R/D	Rate of Descent
	Receive	R/E	Reentry
	Redundant	R/I	Receiving Inspection
	Regulate	R/L	Rate/Limited
	Rehydratable		Remote/Local
	Reliability	R/IM	Refrigerator/Incubator Module
	Replace	R/O	Rollout
	Resistance	R/S	Range Safety
	Right		Redundant Set
	Roentgen	R/T	Real Time
	Roll		Receiver/Transmitter
	Yaw Rankine Rate	R/W	Read/Write
R BAR	Radius Vector Axis		Runway
R DOT	Range Rate to Target (+) Opening, (-) Closing	RA	Radar Altimeter (R/A preferred)
R IMP	Minimum Range to Avoid Plum Impingement		Range Area
R&CC	Recorder and Communication Control		Right Aft
R&D	Research and Development		Right Ascension
R&DO	Research and Development Operations (MSFC)	Ra	Radium
R&M	Reliability and Maintainability	RAAB	Remote Amplifier and Adaption Box
R&P	Reserve and Process		Remote Application and Advisory Box
R&PM	Research and Program Management	RAC	Reliability Action Center
R&QA	Reliability and Quality Assurance	RACS	Remote Automatic Calibration System
R&R	Remove and Replace		Rotation Axis Coordinate System
	Rendezvous and Recovery	RACU	Remote Acquisition and Command Unit
R&Z	Range and Zero	RAD	Radar
			Radian
			Radiation Dosage
			Radiator
			Radius
			Roentgen Absorbed Dosage
		RADAR	Radio Detecting and Ranging

RADCC	Radiation Control Center	RBL	Right Buttock Line
RAE	Radio Astronomy Explorer	RBMT	Retrospective Bibliographies on Magnetic Tape
RAF	Requirements Analysis Form	RBN	Radio Beacon
RAG	Reusable Agenda	RC	Range Command Rate Command Recovery Controller Recurring Cost Resistance-Capacitance Reverse Current Rotation Control
RAHF	Research Animal Holding Facility	RCA	Radio Corporation of America (SATCOM) Relay Control Assembly Remote Control Amplifier
RAI	Radar Altimeter Indicator Roll Attitude Indicator	RCAG	Remote Center Air-Ground Remote Control Air-Ground
RAL	Responsibility Assignment List	RCB	Remote Circuit Breaker
RALPH	Reduction and Acquisition of Lunar Pulse Heights	RCC	Range Commanders Council (DOD) Range Control Center Reinforced Carbon-Carbon Reusable Carbon-Carbon Rough Combustion Cutoff
RALT	Radar Altimeter	RCCA	Rough Combustion Cutoff Assembly
RAM	Radar Absorption Material Random Access Memory Research and Applications Module Responsibility Assignment Matrix	RCCB	Remote Control Circuit Breaker
RAMA	Recap and Movement Authorization	RCCP	Recorder and Communications Control Panel
RANC	Radar Absorption Noise and Clutter	RCD	Record
RANN	Research Applied to National Needs	RCDP	Record Parallel
RAP	Resources Authority Plan	RCDR	Recorder
RAPCON	Radar Approach and Control	RCE	Reaction Control Equipment
RAPS	Right AFT Propulsion System	RCHCS	Regenerable CO ₂ and Humidity Control System
RAS	Requirements Allocation Sheet	RCN	Requirements Change Notice
RASSF	Robotics Assembly and Servicing Simulation Facility	RCP	Radiation Constraints Panel Right Circular Polarization Right Circular Polarizer
RATCC	Radar Air Traffic Control Center		
RAU	Remote Acquisition Unit		
RAUIS	Remote Acquisition Unit Interconnect- ing Station		
RAX	Remote Access Computing System Remote Access Terminal		
RB	Radar Beacon		
RBA	Radar Beacon Antenna		
RBC	Red Blood Cells Rotating Beam Ceilometer		
RBDE	Radar Bright Display Equipment		
RBE	Radiation Biological Effectiveness		
RBK	Right Bank		

RCPT	Receipt Receptacle	RDTE	Research, Development, Test, and Evaluation
RCR	Retrofit Configuration Record	RDTR	Radiator
RCS	Rate Control System Reaction Control System (Subsystem)	RDU	Remote Decoder Unit
RCS C	Reaction Control Subsystem Controller	RDW	Response Data Word Return Data Words
RCU	Remote Control Unit	RDX	Cyclotrimethylenetrinitramine
RCV	Receive	RDY	Ready
RCVR	Receiver	RE	Responsible Engineer
RCVS	Remote Control Video Switch	RE&T	Research Engineering and Test
RCVY	Recovery	REAC	Reactant
RCY	Recovery Remaining Cycles	REACQ	Reacquisition
RD	Radiation Detection Reference Designator Requirements Document Round	REC	Receive Record (RCD preferred)
RD/SB	Rudder Speed Brake	RECERT	Recertification
RDA	Remote Data Access Resident Data Area	RECHG	Recharge
RDC	Reference Designator Code Request for Document Change	RECIP	Reciprocate
RDCS	Reconfiguration Data Collection System	RECOG	Recognition
RDD	Requirements Definition Document	RECON	Remote Control
RDF	Radio Direction Finder Resource Data File	RECONFIG	Reconfiguration
RDM	Real-Time Data Manager	RECONN	Reconnaissance
RDMTR	Radiometer	RECOV	Recovery
RDOC	Reference Designation Overflow Code	RECP	Receptable Request for Engineering Change Proposal
RDOUT	Readout	RECRC	Recirculate
RDP	Receiver and Data Processor Requirements Data Plan Requirements Development Plan	RECS	Representative Shuttle Environmental Control System
RDR	Raw Data Recorder Rudder	RECT	Rectifier, Rectify
RDS	Rocketdyne Digital Simulator	RECV	Receive
		RECVR	Receiver
		RED	Reduction
		REDUN	Redundancy
		REED	Rocket Exhaust Effluent Diffusion
		REEDA	Rocket Exhaust Effluent Diffusion Analysis

REF	Reference Refurbish, Refurbishment	RES	Reserve Reservoir
REFRIG	Refrigerate	RESID	Residual
REFSMMAT	Reference Stable Member Matrix	RESIS	Resistance
REFURB	Refurbish	RESP	Responsibility
REG	Register Regulator, Regulate	RESVR	Reservoir
REGEN	Regenerate	RET	Retract
REI	Range From Entry Interface (400 k) Runway End Identification	RETEN	Retention
REI-M	REI-Mollite	RETRO	Retro Controller (NASA) Retrofire Retrofire Officer
REIL	Runway End Identification Lights	RETRV	Retrieve
REINF	Reinforce	RETS	Reconfigurable Electrical Test Stand Reconfiguration Electrical Test Stand
REINIT	Reinitialize	REV	Reverse Review Revision Revolution
REJ	Reject	RF	Communications Support Radio Frequency Right Forward
REL	Relative Release	RF-TK	Radio Frequency Tracking
RELMAT	Relative Matrix	RFA	Request for Action RF Authorization (Frequency)
REM	Release-Engage Mechanism Release Engine Mechanism Release Engine Module Release Escape Mechanism Remove Rocket Engine Module Roentgen Equivalent Man	RFB	Ready for Baseline Request for Bid
REN RAD	Rendezvous Radar	RFC	Radio Frequency Charts Request for Change Request for Change Revolution
REND	Rendezvous	RFCP	Request for Computer Program
REPGROW	Effects of Spatial Environment on the Reproduction and Growth of Bacteria	RFD	Requirements Formulation Document
REPL	Replace	RFE	Request for Estimate
REPR	Repressurization	RFEI	Request for Engineering Information
REPRO	Reproduction	RFI	Radio Frequency Interference Remote Facility Inquiry Remote File Inquiry Request for Information
REQ	Request Require		
REQD	Required		
REQMTS	Requirements (RQMTS preferred)		

RFL	Reflect	RHU	Radioisotope Heater Unit
RFM	Reconfigurable Furnace Module	RHW	Router Header Word
RFO	Request for Order	RI	Rockwell International
RFP	Request for Proposal	RIB	Recoverable Item Breakdown
	Requirements and Formulation Phase		Right Inboard
RFPA	Request for Proposal Authorization	RIC	Resistance Inductance and Capacitance
RFQ	Request for Quotation		Rockwell International Corporation
RFT	Ready for Training	RICC	Remote Intercomputer Communica- tions Interface
RFW	Request for Waiver (Deviation)	RID	Reaction Injection Molded
RG	Radio Guide		Review Item Disposition
	Rate Gyro	RIDI	Receiving Inspection Detail Instruction
RG	Rate Gyro Assembly	RIE	Right Inboard Elevon
	Residual Gas Analyzer	RIF	Relative Importance Factor
RGAL	Rate Gyro Assembly—Left SRB	RIG	Rate Integration Gyro
GAO	Rate Gyro Assembly—Orbiter	RIGI	Receiving Inspection General Instruc- tion
RGAR	Rate Gyro Assembly—Right SRB	RIL	Recoverable Item(s) List(s)
RGM	Redundant Gyro Monitor		Repairable Item List
RGP	Rate Gyro Package		Reparable Item List
RGRMA	Rate Gyro Redundancy Management Algorithm	RIM	Reaction Injection Molded
RH	Relative Humidity	RIMS	Retarding Ion Mass Spectrometer
	Right Hand	RIPS	Radar Impact Prediction System
RHC	Right Hand Circular	RIR	Reportable Item Report
	Rotation Hand Controller	RIS	Reporting Identification Symbols
RHCM	Relative Humidity Control/Monitor	RISA	Rapid Imaging Spectrophotometric Array
RHCP	Right Hand Circular Polarization (Polarized)	RISKAC	Risk Acceptance
RHEB	Right Hand Equipment Bay	RIT	Request for Interface Tool
RHEO	Rheostat	RIU	Remote Interface Unit
RHFEB	Right Hand Forward Equipment Bay	RIV	Recirculation Isolation Valve
RHL	Residual Hazards List	RJ/EC	Reaction Jet/Engine Control
RHM	Relative Humidity Monitor	RJC	Reaction Jet Control
RHP	Right Hand Panel	RJD	Reaction Jet Device
RHS	Right Hand Side		Reaction Jet Driver
	Rocketdyne Hybrid Simulator	RJDA	Reaction Jet Driver Aft
RHSC	Right Hand Side Console	RJDF	Reaction Jet Driver Forward
RHT	Radiant Heat Temperature		

RJEC	Reaction Jet Engine Control		Remote Manipulator System
RJOD	Reaction Jet OMS Driver		(Subsystem)
RK	Recharge		Root-Mean-Square
RKD	Rocketdyne	RMSVP	Remote Manipulator Subsystem
RLA	Repair Level Analysis		Verification Plan
	Repair Line Agreement	RMT	Remote
RLC	Remote Load Controller	RN	Reynolds Number
RLCD	Redline Cutoff Device	RNDZ	Rendezvous
RLEO	Request Liaison Engineering Order	RNG	Range
RLF	Relief	RNG RT	Range Rate
RLG	Ring Laser Gyro	RO	Radar Operator
RLO	Rack Level Outgassing		Readout
RLSS	Regenerative Life Support System		Receive Only
RLT	Return Line Tether		Recovery Operations
RLY	Relay	ROB	Right Outboard
RM	Redundancy Management	ROC	Record of Comments
	Reference Mission		Regional Operations Center
	Remote Manipulator		Request of Change
	Rendezvous Maneuver	ROD	Remote Operated Door(s)
	Rescue Module	RODB	Remote Object Data Base
	Right Mid	ROLL	Roll Angle
RM/MS&C	Redundancy Management/Moding, Sequencing, and Control	ROM	Read-Only Memory
RMA	Remote Manipulator Arm		Rough Order of Magnitude
RMC	Redundancy Management Control	ROPE	Research on Orbital Plasma Electro- dynamics
RMCD	Radiation Monitoring Container Dosimeter	ROS	Regulated Oxygen Supply
RME	Radiation Monitoring Equipment		Regulated Oxygen System
RMF	RCS Module Forward		Removable Overhead Structure
RMG	Right Main Gear		Rosman, North Carolina (STDN Site)
RMI	Radio Magnetic Indicator	ROSAT	Roentgensatellite
RMO	Resident Manager's Office	ROT	Remaining Operating Time
RMRS	Repeatable Maintenance and Recall System		Rota, Spain
RMS	Radian Means Per Second		Rotate, Rotation
	Random Motion Simulator	ROTI	Recording Optical Tracking Instrument
	Redundancy Management System	RP	Relative Pressure
			Repair Period
			Rocket Propellant

RPA	Record and Playback Assembly	RRP	Rudder Reference Plane
	Request for Procurement Action (Authorization)	RRT	Rendezvous Radar Transducer
	Retarding Potential Analyzer		Rendezvous Radar Transponder
RPC	Remote Power Controller	RS	Rawinsonde
RPDP	Recoverable Plasma Diagnostics Package		Redundancy Status
RPE	Reliability Project Engineer		Redundant Set
RPIE	Real Property Installed Equipment		Refurbishment Spare
RPL	Rated Power Level		Remote Station
RPLC	Replace		Right Side
RPM	Revolutions Per Minute (r/min preferred)	RSA	Redstone Arsenal
RPO	Radiation Protection Officer		Reference Satellite A
RPOC	Remote Payload Operations Center	RS&H	Reynolds, Smith, & Hills, Inc.
RPP	Reinforced Pyrolytic Plastic	RS&S	Receiving, Shipping, and Storage
RPS	Record and Playback System (Subsystem)	RSB	Rudder Speed Brake
	Revolutions Per Second (r/s preferred)	RSC	Range Safety Control/Command
RPT	Resident Provisioning Team	RSCIE	Remote Station Communication Inter- face Equipment
	Rudder Pedal Transducer	RSD	Range Safety Distributor
RPTA	Rudder Pedal Transducer Assembly		Requirements and Specifications Document
RPU	Remote Power Unit	RSDP	Remote Site Data Processor
RPV	Remotely Piloted Vehicle	RSE	Rotational Support Equipment
RQ	Respiratory Quotient	RSF	Receiving-Safing Facility
RQMT	Requirement		Refurbishment and Subassembly Facilities
RQMTS	Requirements	RSI	Reusable Surface Insulation
RR	Range Rate	RSIC	Redstone Scientific Information Center
	Rendezvous Radar	RSL	Resource Support List
	Requirements Review	RSLV	Resolve
	Respiration Rate	RSM	Resume
RRA	Resident Research Associate Program	RSMM	Redundant System Monitor Model
RREA	Rendezvous Radar Electronics Assembly	RSO	Radiological Safety Office
RREU	Rendezvous Radar Electronics Unit		Range Safety Officer
RRI	Rendezvous Radar Indicator	RSP	Rendezvous Station Panel
RRL	Rudder Reference Line	RSPL	Recommended Spare Parts List
		RSRM	Redesigned Solid Rocket Motor

RSS	Range Safety Switch Range Safety System Reactants Supply System Rib Structure Station Robotic Servicer System Root Sum Square Rotating Service Structure	RTCE	Rotation/Translation Control Electronics
RSSPO	Resident Space Shuttle Project Office (Officer)	RTCL	Reticle
RST	Recessed Selectromatic Terminal	RTCP	Real-Time Communications Processor
RSTCV	Reusable Space Transportation Cargo Vehicle	RTCS	Real-Time Computer System
RSTRT	Restart	RTD	Rate Damping Real-Time Display
RSU	Rate Sensing Unit Remote Service Unit		Resistance Temperature Device
RSVR	Reservoir	RTDS	Real-Time Data System
RSYS	Responsible System	RTE	Responsible Test Engineer
RT	Range-to-Target Rate Real Time (R/T preferred) Receiver-Transmitter Reference Trajectory Right Rotation Discrete Rate	RTG	Radioisotope Thermal Generation Radioisotope Thermoelectric Generator— GALILEO
RTA	Real-Time Accumulator		Range (Slant) to Ground
RTAC	Research and Technology Advisory Committee	RTGS	Radioisotope Thermoelectric
RTB	Resistance Temperature Bulb	RTHC	Rotation-Translation Hand Controller
RTC	Real-Time Clock Real-Time Command Real-Time Computer Room Temperature Cure	RTHS	Real-Time Hybrid System
RTCC	Real-Time Command Controller Real-Time Computer Center (NASA) Real-Time Computer Command (Uplink) Real-Time Computer Complex	RTIF	Real-Time Interface
		RTL	Ready to Launch
		RTLS	Return to Launch Site
		RTN	Return
		RTO	Responsible Test Organization
		RTOP	Research and Technology Objectives and Plans
		RTPA	Reaction-Time Perception Analyzer
		RTR	Rotor
		RTS	Real-Time Supply Remote Tracking Station
		RTSF	Real-Time Simulation Facility
		RTTV	Real-Time Television
		RTU	Remote Terminal Unit
		RTV	Room-Temperature Vulcanized
		RU	Remote Unit
		RUD	Rudder
		RUPT	Interrupt Rupture

RUR	Reference Update Review Requirements Update Review
RUT	Resource Utilization Time
RV	Recirculation Valve Recovery Vehicle Recovery Vessel Reentry Vehicle Relief Valve Retrieval Vessel
RVCF	Remote Vehicle Checkout Facility
RVDT	Rotary Variable Differential Trans- ducer Rotary Variable Differential Trans- former
RVN	Requirements Verification Network
RVR	Runway Visible (or Visual) Range
RVS	Reverse
RW	Reaction Wheel Response Word
RWA	Reaction Wheel Assembly
RWD	Right Wing Down
RWM	Read/Write Memory
RYD	Real Year Dollars
RZ	Return-to-Zero

S		S/EOS	Standard Earth Observation Satellite
(S)	Safe (Task Classification)	S/F	Safety Factor
S	Second		Single Flow
	Side	S/G	Strain Gauge
	Star	S/L	Shop/Laboratory
	Stere	S/M	Scheduled Maintenance
s	Second (Astronomical Tables)		Service/Maintenance
S CHG	Supercharge		Structural/Mechanical
S PRES	Star Present	S/N	Serial Number
S TRK	Star Tracker		Signal-to-Noise Ratio
S&A	Safe and Arm (Device)	S/O	Shutoff
	Science and Application		Switchover
S&AD	Science and Applications Directorate	S/P	Serial to Parallel
S&E	Science and Engineering (MSFC Directorate)		Signal Processor
S&MA	Safety and Mission Assurance	S/R	Send and Receive
S-BD	S-Band		Shift Register
S-Band	1,550 to 5,200 MHz		Stimulus/Response
S-MOWG	"Super" Management Operations Working Group	S/S	Samples Per Second
S-N	Stress Number		Single Sideband
S/A	Safe and Arm		Space Shuttle
	Scheduled/Actual	S/Sys	Subsystem
	Site Activation	S/U	Set Up
	Spacecraft Adapter	S/V	Space Vehicle
	Subassembly		Supply Valve
S/AC	Stabilization/Attitude Control	S/W	Software
S/B	Standby	SA	Safing Area
S/C	Sensor/Controller		Shaft Angle
	Signal Conditioner		Single Access
	Software Contractor		Site Activation
	Spacecraft		Solar Array
	Splitter/Combiner		Subaccount
	Stabilization and Control		Supplemental Agreement
	Stripchart (Recorder)	SAA	Support Area
	Subcontractor		Safety Assurance Analysis
			South Atlantic Anomaly
		SAAC	Schedule Allocation and Control

SAAL	Single Axis Acoustic Levitator	SAL	Scientific Airlock
SAALC	San Antonio Air Logistics Center		Shuttle Avionics Laboratory
SAAM	Special Air Force Airlift Mission	SALC	Sacramento Air Logistics Center
SAAMA	San Antonio Air Material Area	SAM	Shuttle Attachment Manipulator
SAAS	Shuttle Aerosurface Actuator Simulation		System Activation and Monitoring
SAB	Shuttle Avionics Breadboard		Shuttle Activation Monitor
	Spacecraft Assembly Building	SAMP	Shuttle Automated Mass Properties
	Storage and Assembly Building	SAMS	Shuttle Attachment Manipulator
SAC	Shuttle Action Center (HOSC)		System
	Strategic Air Command (USAF)		Space Acceleration Measurement
	Support Action Center		System
SACS	Software Avionics Command Support	SAMSAT	Solar Activity Monitoring Satellite
	Systems Software Avionics Command	SAMSO	Space and Missile Systems Organization (USAF)
	Support	SAMSOR	SAMSO Regulation (now SDR)
SAD	Shuttle Authorized Document	SAMSS	Space Assembly Maintenance and
	Spacecraft Attitude Display		Servicing Study
	Systems Allocation Document	SAMTEC	Space and Missile Test Center
SADA	Solar Array Drive Assembly		(VAFB, CA)
SADE	Solar Array Drive Electronics	SAMTECM	Space and Missile Test Center Manual
	Structural Assembly Demonstration	SAMTO	Space and Missile Test Organization
	Experiment		(VAFB)
SADEC	Spin Axis Declination	SANC	Spacelab Ancillary Data Tape
SADM	Solar Array Drive Mechanism	SAND	Site Activation Need Date
SAE	Society of Automotive Engineers	SAO	Smithsonian Astrophysical Observatory
	Solar Array Experiment		
SAEF	Spacecraft Assembly and Encapsulation Facility	SAP	Strain Arrestor Plate
SAES	Stand-Alone Engine Simulator	SAR	Safety Analysis Report
SAFD	Systems Anomaly and Failure		Search and Rescue
	Detection		Summary Analysis Report
SAFE	San Andreas Fault Experiment		Synthetic Aperture Radar
	Solar Array Flight Experiment	SARC	Science Archive Research Center
SAGE-II	Stratospheric Aerosol Gas Experiment	SAREX	Shuttle Amateur Radio Experiment
SAIL	Shuttle Avionics Integration Laboratory	SARIMS	Swept Angle Retarding Ion Mass Spectrometer

SARP	Safety Analysis Report for Packaging Shuttle Astronaut Recruitment Program	SBA	Seat Back Assembly Small Business Administration Structure Borne Acoustic
SARR	Small and Rapid Response	SBAS	S-Band Antenna Switch
SART	Stimuli Analog Refresh Table	SBC	Speed Brake Command
SAS	Small Astronomy Satellite Solar Array System Space Adaptation Syndrome Stability Augmentation Subsystem Stability Augmented System	SBCR	Stock Balance and Consumption Report
SASE	Shuttle Atmospheric Science Experiment	SBD	Schematic Block Diagram
SASP	Science and Applications Space Platform	SBE	Sub-Bit Encoder
SASTP	Stand-Alone Self-Test Program	SBHC	Speed Brake Hand Controller
SAT	Saturate, Saturated Systems Approach to Training	SBIR	Small Business Innovative Research
SATAF	Shuttle Activation Task Force	SBP	San Luis Obispo (TACAN Station) Sonic Boom Panel
SATCOM	Satellite Communications	SBS	Satellite Business System
SATO	Shuttle Attached Teleoperator Space Adaptation Tests and Observation Supply and Transportation Operations	SBSA	Swedish Board for Space Activities
SATS	Shuttle Avionics Test System Small Applications Technology Satellite	SBTC	Speed Brake/Thrust Controller
SAU	Signal Acquisition Unit Strap Around Unit	SBU	Strategic Business Units
SAVER	Shuttle Avionics Verification and Evaluation	SBX	S-Band Transponder
SAWD	Solid Amine Water Desorbed	SC	Scale Service Charge Shipping Container Signal Conditioner (S/C preferred) Statement of Capability Statement of Compatibility Subsystem (System) Computer Support Contractor Surface Command
SB	Space Base Speed Brake Synchronization Base Synchronization Bit	SC&CU	Signal Conditioning and Control Unit
		SCA	Schedule Change Authorization Sequence Control Assembly Shuttle Carrier Aircraft Simulation Control Area Sneak Circuit Analysis Stellar Camera Array
		SCAMMA	Station Conferencing and Monitoring Arrangement

SCAN	Antenna Scan Selected Current Aerospace Notices Shuttle Connector Analysis Network		Standard Cubic Centimeters Per Second
SCAPE	Self-Contained Atmospheric Protective Ensemble	SCD	Source Control Document Source Control Drawing Specification Control Document Specification Control Drawing
SCARAB	Submersible Cable Assistant Repair and Burial	SCDA	Safing, Cooldown, and Decontamina- tion Area
SCARS	Serialized Control and Record System Serialized Control and Reporting System Sneak Circuit Analysis Report Summary	SCDP	Software Critical Design Audit Simulation Control Data Package
SCAS	Subsystem Computer Application Software	SCDR	Seller Critical Design Review Shuttle Critical Design Review Software Critical Design Review Subcontractor Critical Design Review
SCAT	Space Communication and Tracking Storage, Checkout, and Transport	SCDU	Signal Conditioning and Display Unit
SCATHA	Spacecraft Charging at High Altitudes	SCE	Signal Conditioning Equipment
SCATS	Simulation Control and Training System	SCEA	Signal Conditioning Electronics Assembly
SCB	Schedule Change Board Selection Control Board Selector Control Box Software Control Board Specification Control Board	SCF	Safing and Deservicing Facility Satellite Control Facility Sequenced Compatibility Firing Spacecraft Control Facility Standard Charge Factor Standard Cubic Feet Statistical Collection File Sunnyvale Control Facility
SCBD	Seller's Approved Configuration Baseline Document	SCFH	Standard Cubic Feet Per Hour
SCC	Safety Control Center Simulation Control Center Slidell Computer Complex Standard Cubic Centimeters	SCFM	Standard Cubic Feet Per Minute
SCCB	Site Configuration Control Board	SCFS	Standard Cubic Feet Per Second
SCCF	Solar Cell Calibration Facility	SCGSS	Super Critical Gas Storage System
SCCH	Standard Cubic Centimeters Per Hour	SCHED	Scheduled, Scheduling
SCCM	Standard Cubic Centimeters Per Minute	SCHEM	Schematics
SCCS	Signal Conditioning and Control System	SCI	Switch Closure In
		SCIM	Standard Cubic Inches Per Minute
		SCIS	Standard Cubic Inches Per Second
		SCIT	Standard Change Integration and Tracking

SCIU	Selector Control Interface Unit Space Interface Unit	SCS	Secondary Coolant System Spacecraft Control System
SCL	Secondary Coolant Line Secondary Coolant Loop Specification Change Log		Stabilization and Control System (Subsystem) System Configuration Switch
SCLM	Stability, Control, and Load Maneuvers	SCT	Scanning Telescope
SCM	Site Configuration Message Subsystem Configuration Management Subsystem Configuration Monitoring System Control Module	SCU	Secondary Control Unit Sequence Control Unit System Control Unit Service and Cooling Umbilical Signal Conditioning Unit Signal Control Unit
SCMB	Development Configuration Management Board	SD	Scaling and Display Smoke Detector Solar Dynamic Space Division (AFSC) Space Division (Rockwell) Spare Disposition Specification Document Subscale Demonstrator Supplier Documentation
SCMP	System Contractor Management Plan		
SCN	Specification Change Notice		
SCNP	Preliminary Specification Change Notice		
SCNR	Scanner		
SCO	Start Checkout Subcarrier Oscillator Super Critical Oxygen Switch Closure Out		
SCOE	Special Checkout Equipment	SD/FS	Smoke Detector/Fire Suppression
SCOPE	Science Calibration and Onboard Performance Evaluator	SD/YVV	SD/Launch Base Division
SCOS	Subsystem Computer Operating System	SDA	Shaft Drive Axis Source Data Automation
SCP	Scanner Control Power Specific Candle Power	SDAF	Solid Rocket Booster Disassembly Facility
SCR	Schedule Change Request Sneak Circuit Report Software Change Request Stripchart Recorders	SDB	Shallow Draft Barge Shallow Draft Board
SCRG	System Change Review Group (MSFC)	SDC	Software Development Computer Spares Disposition Code
SCRL	Station Configuration Requirement List	SDCL	Supplier Documentation Checklist
SCRS	Stripchart Recording System	SDCP	Summary Development Cost Plan
		SDCS	SAIL Data Communications System
		SDCV	Shuttle Derived Cargo Vehicle

SDD	Shuttle Design Directive Software Description Document Software Design Document System Design Document	SDRB	Software Design Review Board Supplier Documentation Review Board System Design Review Board
SDE	Space Division Evaluator	SDRD	Supplier Data Requirements Description Supplier Documentation Review Data
SDF	Safing and Deservicing Facility Single Degree of Freedom Software Development Facility System Development Facility (Breadboard)	SDRL	Subcontract Data Requirements List Supplier Data Requirements List
SDG	Supplier Documentation Group	SDS	Shuttle Dynamic Simulation (Simulator)
SDH	Software Development Handbook System Definition Handbook System Development Handbook		Sensor Display System Software Design Specification Steering Damping System
SDI	Selective Dissemination of Information	SDSS	Space Division Shuttle Simulator
SDIF	Software Development and Integration Facility	SDT	Scaling and Display Task Shuttle Data Tape Structural Dynamic Test
SDL	Software Development Laboratory Standard Distribution List	SDTA	Structural Dynamic Test Article
SDM	Secondary Deployment Mechanism Shuttle Data Management Subsystem Design Manuals System Definition Manual	SDV	Shuttle Derived Vehicle
SDMU	Serial Data Management Unit	SDVF	Software Development and Verification Facilities
SDN	Software Development Note	SE	Support Equipment Student Experiment System Element Systems Engineering
SDP	Shuttle Data Processor Site Data Processor Software Development Plan Supplier Data Package	SE&I	Systems Engineering and Integration
SDPC	Shuttle Data Processing Complex	SE/FAC	Support Equipment/Facility
SDPF	Sensor Data Processing Facility	SEA	Scanning Electrostatic Analysis Sensor Electronics Assembly Silicon Elastimeter Ablator
SDR	Software Design Requirements Software Design Review Space Division Regulation Spacelab Disposition Record (ESA) Subcontract Data Requirement System Design Review	SEACF	Support Equipment Assembly and Checkout Facility
		SEADS	Shuttle Entry Air Data Sensor Shuttle Entry Air Data System (Subsystem)
		SEAID	Support Equipment Abbreviated Items Description

SEAPG	Support Equipment Acquisition Planning Group	SEN	Sensor
SEARCHS	Shuttle Engineering Approach/Rollout Control Hybrid Simulation	SEND	Shared Equipment Need Date
SEB	Scientific Equipment Bay Source Evaluation Board Support Equipment Building Systems Engineering Branch	SENS	Sensitivity
SEC	Secondary Sequential Events Controller Source Evaluation Committee	SEO	Special Engineering Order Subtransfer Earth Orbit
sec	Second (s preferred)	SEOS	Synchronous Earth Observation Satellite
SECO	Sustainer Engine Cutoff	SEP	Separation Source Evaluation Panel Support Equipment Package Support Electronics Package
SECS	Shuttle Events Control Subsystem	SEPAC	Space Experiment With Particle Accelerators
SECT	Spacelab Experiment Channel Tape	SEPAP	Shuttle Electrical Power Analysis Program
SEDS	Small Expendable Deployer System	SEPAR	Shuttle Electrical Power Analysis Report
SEDT	Spacelab Experiment Data Tape	SEPS	Solar Electric Propulsion System
SEE	Special Purpose End Effector Standard End Effector	SEQ	Sequence, Sequencer
SEEDS	Space-Exposed Experiment Developed for Students	SER	Serial
SEG	Segment System Engineering Groundrule	SERB	Shuttle Engineering Review Board Systems Engineering Review Board
SEI	Support Equipment Installation System Engineering Instrumentation	SERS	Shuttle Equipment Record System
SEICO	Support Equipment Installation and Checkout	SERV	Service Single Stage Earth Orbital Reusable Vehicle
SEII	Servoactuator Error Indication Interrupt	SERVICE	Space Entry Recovery Vehicle in Commercial Environments
SEL	Select, Selector	SERVO	Servomechanism
SEM	Sample Exchange Mechanism Scanning Electron Microscope Seller's Engineering Memorandum Space Environment Monitoring Spacecraft Equipment Module System Engineering Management	SES	Senior Executive Service Shuttle Engineering Simulation Special Emphasis Study Systems Engineering Simulation
SEMS	Space Environment Monitor System	SESA	Special Equipment Stowage Facility
		SESAC	Space and Earth Sciences Advisory Committee

SESAME	Severe Environmental Storms and Mesoscale Experiment	SFME	Storable Fluid Management Experiment
SESC	Shuttle Events Sequential Control	SFO	Space Flight Operations
SESL	Space Environmental Simulation Laboratory	SFOM	Shuttle Flight Operations Manual
SETI	Search for Extraterrestrial Intelligence	SFOP	Safety Operating Procedure (KSC)
SETS	Shuttle Electrodynamic Tether System	SFP	Single Failure Point
SEUL	Support Equipment Utilization List		Summary Flight Plan
SF	Safe	SFPA	Single Failure Point Analysis
	Safe, R and QA (R&QA), and Protective Services (KSC Directorate)	SFPPL	Short Form Provisioning Parts List
	Safety Factor	SFPS	Single Failure Point Summary
	Scale Factor	SFS	Shuttle Flight Status
	Selection Filter	SFSS	Satellite Field Service Station
	Signaling Frequency		SPARTAN Flight Support Structure
	Sliding Filter	SFT	Shaft
	Star Field		Simulated Flight Test
	Static Firing		Static Firing Test
	Subcontractor Furnished	SFTA	Structural Fatigue Test Article
SF-SOO	KSC Safety Operations Office	SFTF	Static Firing Test Facility
SFA	Sun Finder Assembly	SFTWE	Software
SFACI	Software Flight Article Configuration Inspection	SFU	Standard Firing Unit
SFC	Selection Filter Control	SFW	Software
	Specific Fuel Consumption	SFWE(M)	Static Feed Water Electrolysis (Module)
SFCS	Survival Flight Control System	SG	Signal Generator
SFD	Crossfeed	SGC	Stabilized Ground Cloud
SFDS	System Functional Design Specification	SGG	Superconducting Gravity Gradiometer
SFDT	Site Format Dump Tape	SGGM	Superconducting Gravity Gradiometer Mission
SFEX	Solar Flare X-Ray Polarimeter	SGL	Space Ground Link
SFFP	Summer Faculty Fellowship Program	SGLS	Space Ground Link Station
SFHE	Superfluid Helium Experiment		Space Ground Link System
SFL	Secondary Freon Loop	SGMT	Simulated Greenwich Mean Time
SFMD	Storable Fluids Management Demonstration	SGOS	Shuttle Ground Operations Simulation (Simulator)
SFMDM	Smart FMDM	SGP	Single Ground Point
		SGS	Steep Glide Slope
		SGSC	Strain Gauge Signal Conditioner

SH₂	Supercritical Hydrogen		Solar Inertial Attitude
SHA	Sidereal Hour Angle	SIAC	Safety Issue Assessment Center
	System Hazard Analysis	SIAP	System Integrity Assurance Program
SHAG	Simplified High Accuracy Guidance (Honeywell)	SID	Shuttle Integration Device
SHAP	Sample Handling and Analysis Plan		Simulator Interface Devices
SHARE	Space Station Heat Pipe Advanced Radiation (STS-29)		Standard Interface Document
	Space Station Heat Pipe Advanced Radiator Element	SIDT	Spacelab I/O Data Tape
SHARP	Summer High School Apprenticeship Research Program	SIE	Shuttle Interface Equipment
SHDN	Shutdown	SIEM	Systems Integration Effort for MSFC
SHE	Supercritical Helium	SIES	Supervision, Inspection, Engineering, and Services
SHEAL	Shuttle High Energy Astro Physics Laboratory	SIG	Signal
SHERB	Sandia Human Error Rate Bank		Special Investigation Groups
SHF	Super High Frequency	SIG CONDR	Signal Conditioner
SHLB	Simulator Hardware Load Boxes	SIG GEN	Signal Generator
SHLD	Shield	SIL	Silver
SHLDR	Shoulder		Sound Interference Level
SHOOT	Superfluid Helium On-Orbit Transfer		Systems Integration Laboratory
SHORAN	Short Range Navigation	SILTS	Shuttle Infrared Leeside Temperature Sensing
SHP	Shaft Horsepower	SIM	Scientific Instrumentation Module
SHRD	Shroud		Simulate, Simulation
	Supplemental Heat Rejection Devices	SIMA	Small Incremental Motion Actuator
SHS	Simulation Hardware System	SIMAS	Shuttle Information Management Accountability System
SHTR	Shutter	SIMCOM	Simulation Complex
SHUTDN	Shutdown	SIMFAC	Simulation Facility
SI	Center Support Operations (KSC Directorate)	SIMO	Simultaneously
	International Systems of Unit (ISU preferred)	SIMR	Systems Integration Management Review
	Scientific Instrument	SIMS	Shuttle Imaging Microwave System
	Solar Inertial		Shuttle Inventory Management System
SIA	Shuttle Induced Atmosphere	SIMU	Simulated Inertial Measurement Unit
	Software Impact Assessment	SIN	Sine
		SINDA	Systems Improve Numerical Differenc- ing Analyzer

SIO	Serial Input/Output Systems Integration Office	SIT	Shuttle Integrated Test Shuttle Interface Test Situation Software Integrated Test SSV Integrated Test
SIP	Scientific Instrument Package Separation Instrument Package Standard Interface Panel Strain Isolator Pad Systems Integration Office	SIU	Signal Interface Unit
SIPE	Scientific Instrument Protective Enclosure	SIV	Sieve
SIPS	Small Instrument Pointing System	SIVE	Shuttle Interface Verification Equipment
SIR	Shuttle Imaging Radar Software Initiated Restart System Interface Requirements Systems Integration Review	SKD	Singer, Kearfott Division
SIR-A	Shuttle Imaging Radar-A	SKIRT	Shuttle Kinetic Infrared Test
SIR-B	Shuttle Imaging Radar-B	SL	Sea Level Seal Shelf Life Sound Level Spacelab
SIRD	Support Instrumentation Requirements Document	SL&I	System Load and Initialization
SIRR	Software Integration Readiness Review	SL-D	German Spacelab
SIRTF	Space Infrared Telescope Facility	SL-J	Japanese Spacelab
SIS	SAIL Interface System Scanning Imaging Spectrometer Serial Input Special Shuttle Information System Shuttle Interface Simulator Simulator Interface System (Subsystem) Software Implementation Specification Software Integrated Schedule Standard Interface Specification Superconducting-Insulating Superconducting Systems Integration Schedule	SL-SS	Spacelab Systems
SISS	Scientific Instrument Support Structure	SL-SSS	Spacelab Subsystem(s) Segment
SISWG	STS Integrated Schedule Working Group	SLA	ERNO Spacelab Product Assurance Department Shuttle Laser Altimeter Super Light Ablator Support and Logistics Areas
		SLAC	Stanford Linear Accelerator Center
		SLAHTS	Stowage List and Hardware Tracking System
		SLAK	Spacelab Late Access Kit
		SLAM	Side Load Arrest Mechanism
		SLAR	Side Looking Airborne Radar
		SLC	Shuttle Launch Complex (VAFB) Space Launch Complex ERNO Spacelab Project Control
		SLCA	ERNO Spacelab Contract Administration

SLCC	ERNO Spacelab Configuration Management	SM/PM	System Management/Performance Monitor
SLCL	Shop/Lab Configuration Layout	SMA	Science Monitoring Area
SLD	Stiff-Leg Derrick		Secondary Mirror Assembly
SLDPF	Spacelab Data Processing Facility	SMAB	Solid Motor Assembly Building
SLE	ERNO Spacelab Engineering	SMAG	Star Magnitude
SLEEC	Single Lap Extendible Exit Cone	SMART	Shuttle Meeting Action - Item Review Tracking
SLEMU	Spacelab Engineering Model Unit	SMATV	Satellite Master Antenna Television
SLF	Shuttle Landing Facility (OLF)	SMB	Space Meteorology Branch
SLI	ERNO Spacelab Integration and Test	SMC	Scientific Manpower Commission
SLL	Shelf Life Limit	SMCC	Shuttle Mission Control Center
SLM	Sound Level Meter	SMCH	Standard Mixed Cargo Harness
SLN	ERNO Spacelab Payload	SMCS	Separation Monitor and Control System
SLO	ERNO Spacelab Operations	SMCU	Separation Monitoring Control Unit
SLOS	Star Line of Sight	SMD	Spacelab Mission Development
SLP	ERNO Spacelab Program Office		Special Measuring Device
SLPB	Spacelab Program Board		Special Measuring Service
SLRV	Shuttle Launched Research Vehicle	SMDC	Shielded Mild Detonating Cord
SLS	Secondary Landing Site	SME	Subject Matter Expert
	Secondary Mirror	SMEAR	Span/Mission Evaluation Action Request
	Sortie Lab Simulator	SMES	Shuttle Mission Engineering Simulator
	Spacelab Simulator		Shuttle Mission Evaluation Simulation (Simulator)
	Spacelab Life Sciences		Superconduction Magnetic Energy Storage
	Statement Level Simulator	SMG	Spaceflight Meteorology Group
SLSA	Shuttle Logistics Support Aircraft	SMIA	Serial Multiplexer Interface Adapter
SLSMS	Spacelab Support Module Simulator	SMIDEX	Spacelab Middeck Experiments
SLT	ERNO Spacelab Technology	SMIR	Shuttle Multispectral Infrared Radiometer
SLV	Space Launch Vehicle	SML	Structure Mold Line
SM	Science Mission	SMM	Solar Maximum Mission
	Secondary Mirror		Subsystem Measurement Management
	Short Module		
	Shuttle Management (KSC)		
	Soft Manual		
	Stable Member		
	Support Module		
	Systems Management		
SM&S	Systems Management and Sequencing		

SMMD	Specimen Mass Measurement Device	SNSO	Space Nuclear Systems Office
SMOC	Simulation Mission Operation Computer	SNSR	Sensor
SMP	Software Management Plan	SO	Station Operator Support Operations (KSC Dir.)
SMPM	Structural Materials Property Manual	SO₂	Sulphur Dioxide
SMPTRB	Shuttle Main Propulsion Test Require- ment Board	SOAR	Shuttle Orbital Applications and Requirements
SMQ	Structure Module Qualification Test	SOARS	Shuttle Operation Automated Report- ing System
SMR	Source, Maintenance, and Recover- ability (Code)	SOATS	Support Operation Automated Training System
SMRD	Spin Motor Rotational Detector Spin Motor Run Discrete	SOC	Simulation Operations Center Simulation Operation Computer System Operating Concept System Option Controller
SMRM	Solar Maximum Repair Mission	SOCAR	Shuttle Operational Capability Assessment Report
SMS	Separation Mechanism Subsystem Shuttle Mission Simulator Solar Maximum Satellite Space Motion Sickness Synchronous Meteorological Satellite	SOCC	Satellite Operations Control Center
SMSCC	Shuttle Mission Simulator Computer Complex System	SOCH	Spacelab Orbiter Common Hardware
SMSI	Standard Manned Space Flight Initiator (see NSI-I)	SOCRD	Science Operations Center Require- ments Document
SMT	Selective Message Transaction	SOCS	Subsystem Operation and Checkout System
SMTAS	Shuttle Model Test and Analysis System	SODB	Shuttle Operational Data Book Start of Data Block
SMTF	Shuttle Mission Training Facility	SODS	Shuttle Operational Data System Skylab Orbit-Deorbit System
SMU	Soft Mockup	SOE	Science Operations Element Sequence of Events
SMVP	Shuttle Master Verification Plan	SOF	Safety of Flight
SMVRD	Shuttle Master Verification Require- ments Document	SOFI	Spray-on Foam Insulation
SMW	Standard Materials Worksheet	SOFIA	Stratospheric Observatory for Infrared Astronomy
SMY	Solar Maximum Year	SOFT	Space Operations and Flight Techniques
SN	Solar Network Space Network	SOGS	Science Operations Ground System
SNF	System Noise Figure	SOH	Start of Heading
SNR	Signal-to-Noise Ratio		
SNS	Station Network Simulator		

SOHO	Solar and Heliospheric Observatory	SOUP	Solar Optical Universal Photo- polarimeter
SOIS	Spacelab/Orbiter Interface Simulator	SOV	Shut-off Valve Solenoid Operated Valve
SOL	Solar Solenoid	SOW	Start of Word Statement of Work Subdivision of Work
SOLCON	Solar Constant	SOX	Supercritical Oxygen
SOLN	Solution	SP	Shoulder Pitch Shuttle Projects Office (KSC) Signal Processor Single Pole Single Precision Solar Physics Space Platform Spare Spin Standard or Peculiar Static Pressure
SOLSPEC	Solar Spectrum		
SOM	Ship Operations Manager (NASA) Spares Optimization Model Standard Operating Manual		
SOMF	Start of Minor Frame		
SOMS	Shuttle Orbiter Medical System		
SOP	Secondary Oxygen Pack Spacelab Opportunity Payload Standard Operating Procedure Subsystem(s) Operating Procedure Subsystem Operating Program Systems Operation Plan		
SOPC	Shuttle Operations and Planning Center Shuttle Operations Planning Complex	SP&S	Special Processes and Sequencing
SOR	Specification Operational Requirement Stable Orbit Rendezvous	SP-AF	Air Force STS Liaison Office (KSC Shuttle) Air Force Support Office (KSC)
SORD	Systems Operations and Requirements Document	SP-FGS	Flight and Ground Systems Office (KSC Shuttle)
SORPTR	South Repeater	SP-ILS	Integrated Logistics Support Office (KSC Shuttle)
SORTIE	Short Term Mission	SP-LMO	Logistics Management Office (KSC)
SOS	Serial Output Special Source of Supply Stabilized Optical Sight	SP-OPI	Operations Planning and Integration Office (KSC Shuttle)
SOSC	Space Operations Support Center	SP-OSO	Off-Site Offices (KSC Shuttle)
SOSM	Strap-On Solid Motor	SP-PAI	Project Assessment and Integration Staff (KSC)
SOT	Science Operations Team Solar Optical Telescope Strap-on Tank	SP-PCO	Project Control Office (KSC Shuttle)
SOTS	Suborbital Tank Separation	SP-SMO	Site Management Office (KSC Shuttle)
		SP-PMS	Performance Management Systems Office (KSC)

SPA	S-Band Power Amplifier Servo Power Amplifier Shared Peripheral Area Signal Processor Assembly Small Payload Accommodations Software Product Assurance Solar Panel Assembly Space Processing Application	SPCC	STS Processing Control Center
SPACE	Spacecraft Prelaunch Automatic Checkout Equipment	SPCS	Servicing Performance Checkout System
SPACECOM	Space Communications Company	SPCU	Simulation Process Control Unit
SPACEHAB	Space Habitat Modules	SPCW	Stored Program Command Word
SPAD	Shuttle Payload Accommodation Document Subsystem Positioning Aid Device	SPD	Speed Standard Practice Directive
SPADS	Shuttle Problem Analysis Data System Shuttle Problem Action Data System	SPDA	Software Preliminary Design Audit
SPAF	Simulation Processor and Formatter	SPDB	Subsystem Power Distribution Box
SPAH	Spacelab Payload Accommodations Handbook	SPDBK	Speed Brake
SPAN	Spacecraft Analysis	SPDCI	Standard Payload Display and Control Interface
SPAR	Space Project Applications Rocket	SPDM	Special Purpose Dextrous Manipulator
SPART	Space Research and Technology	SPDR	Software Preliminary Design Review
SPARTAN	Shuttle Pointed Autonomous Research Tool for Astronomy	SPE	Solid Polymer Electrolysis Space Physiology Experiment Static Phase Error
SPAS	Shuttle Pallet Satellite (German) Shuttle Payload Satellite	SPEAM-2	Sun Photometer Earth Atmosphere Measurements-2
SPKB	Speed Brake	SPEC	Specialist Function Specification
SPC	Servicing Performance Checkout System Shipping and Packing Cost Shuttle Processing Contractor Starting Point Code Stored Program Command Synoptic Properties Code	SPECT	Spectrometer
		SPEE	Special Purpose End Effector
		SPF	Single Point Failure Software Production Facility Spacelab Processing Facility
		SPFA	Single Point Failure Analysis
		SPFP	Single Point Failure Potential
		SPG	Signal Point Ground Single Point Ground
		SPHER	Spherical
		SPI	Surface Position Indicator
		SPIAP	Shuttle/Payload Integration Activities Plan
		SPICE	Spacelab Payload Integration and Coordination in Europe
		SPIDF	Support Planning Identification File

SPIDPO	Shuttle Payload Integration and Development Program Office (JSC)	SPP	Simulation Planning Panel Solar Physics Payload
SPIF	Standard Payload Interface Facility Shuttle Payload Integration Facility Shuttle/POCC Interface Facility Function	SPPIL	Shuttle Preferred Pyrotechnic Items List
SPII	Shuttle Program Implementation Instruction	SPPL	Spare Parts Provisioning List
SPIKE	Science Planning Interactive Knowledge Environment	SPPP	Spacelab Payloads Processing Project
SPIMS	Shuttle Program Information Management System	SPR	Software Problem Report Subcontractor Performance Review
SPIP	Solid Propulsion Integrity Program	SPRAG	STS Payloads Requirements and Analysis Group
SPKR	Speaker	SPRD	Single Pallet Rotation Device
SPL	Scratch Pad Line Serialized Parts List Sound Pressure Level Solar Plasma Laboratory System Programming Language	SPRT	Sequential Probability Ratio Test
SPL-1	Space Plasma Lab-1	SPS	Samples Per Second Secondary Propulsion System Service Propulsion Subsystem Shuttle Procedures Simulator Solar Power Satellite Spacelab Pallet System Statement of Prior Submission
SPLX	Simplex	SPSS	Science Planning and Scheduling System
SPLY	Supply	SPT	Support
SPM	Subsystem Project Manager	SPTB	Space Performance Test Battery
SPMD	Shuttle Projects Manager's Directive	SPTD	Supplemental Provisioning Technical Documentation
SPMS	Special Purpose Manipulator System	SPU	Spun Bypass Unit
SPN	Shuttle Project Notice (KSC)	SPVPF	Shuttle Payload Vertical Processing Facility
SPND	Suspend	sq ft	Square Feet (ft ² preferred)
SPO	Shuttle Projects Office Spare Parts Order System Program Office	SQL	Sqlch
SPOC	Shuttle Payload Operations Contractor Shuttle Payloads of Opportunity Carrier Shuttle Portable On-Board Computer	SQUID	Superconducting Quantum Interference Device
SPOM	STS Planning and Operations Management	SQW	Square Wave

SR	Scan Ratio	SRE	STDN Ranging Equipment
	Shift Register	SRF	Shuttle Refurbishment Facility
	Standard Repair	SRH	Subsystems Requirements Handbook
	Statement of Requirements	SRL	Space Radar Laboratory
	Status Register	SRM&QA	Safety, Reliability, Maintainability, and Quality Assurance
	Status Report	SRM	Solid Rocket Motor
	Status Review		Specification Requirements Manual
	Sunrise		Standard Reference Material
	Support Request	SRMC	Stimulus/Response Measurements Catalog
	Support Room	SRN	Software Release Notice
SR&Q	Safety, Reliability, and Quality	SRO	Supervisor Range Operations
SR&QA	Safety, Reliability, and Quality Assurance	SRPA	Spherical Retarding Potential Analyzer
SRA	Spin Reference Axis	SRR	Shuttle Requirements Review
	Support Requirements Analysis		Site Readiness Review
SRAD	Space Radiation Assembly Demonstration		Software Requirements Review
SRAG	Space Radiation Analysis Group		System Requirements Review
SRB	Solid Rocket Booster	SRS	Simulated Remote Station
SRBAB	SRB Assembly Building		Software Requirements Specification
SRBDF	SRB Disassembly Facility		Specification Revision Sheet
SRBPF	SRB Processing Facility		Support Requirements System
SRC	Sample Return Container	SRSF	SRB Receiving and Subassembly Facility
SRCB	Software Requirements Change Board		SRB Refurbishment and Subassembly Facility
	Software Requirements Control Board	SRSR	Schedule and Resources Status Report
SRCBD	Software Requirements Change Board Directive	SRSS	Shuttle Range Safety System
	Software Requirements Control Board Directive	SRT	Shuttle Requirements Traceability
SRCH	Search		Special Rated Thrust
SRD	Shuttle Requirements Definition		Specification Requirements Table
	Shuttle Requirements Document		Station Readiness Test
	Systems Requirements Document		Supporting Research and Technology
SRDH	Subsystems Requirement Definition Handbook	SRU	Shop Replacement Unit
	System Requirements Definition Handbook		Shop-Replaceable Unit
			Space Replaceable Unit
		SRVL	Survival

SS	Shuttle System	SSCL	Shuttle System Commonality List
	Single Sideband	SSCP	Small Self-Contained Payloads
	Single String	SSCSP	Space Shuttle Crew Safety Panel
	Space Shuttle	SSD	Spacecraft Software Division
	Space Station		System Summary Display
	Station Set	SSDD	Software System Design Document
	Subsystem	SSDH	Subsystem Data Handbook
	Sunset	SSDS	Space Station Data System
	System Software	SSE	Small Science Experiment
	System Specification		Space Shuttle Engines
	System Summary		Subsystem Element
SS&A	Space Systems and Applications		Subsystem Support Equipment
SSA	S-Band Single Access	SSEOS	Space Shuttle Engineering and Operations Support
	Shuttle Simulation Aircraft	SSF	SRB Storage Facility
	Space Suit Assembly	SSFA	Space Station Furnace Facility
SSA I/O	GCOS Program Element Name	SS.Freedom	Space Station <i>Freedom</i>
SSAT	Shuttle Service and Access Tower	SSFGSS	Space Shuttle Flight and Ground System Specification
	Space Shuttle Access Tower (now FSS)	SSFILSS	Space Station <i>Freedom</i> Integrated Logistics Support System
	Space Station Airlock Trainer	SSFL	Santa Susana Field Laboratory
SSB	Single Sideband	SSFMB	Space Station <i>Freedom</i> Manned Base
	Source Selection Board	SSFP	Space Station <i>Freedom</i> Program
SSBC	Summary Sheet Bar Chart	SSFS	Space Shuttle Functional Simulator
SSBUV	Shuttle Solar Backscatter Ultraviolet Instrument	SSHB	Station Set Handbook
SSC	Scanning Shadow Camera	SSHPPF	Space Station Hazardous Processing Facility
	Shuttle System Contractor	SSI	Significant Structural Item
	Single-Stage Command	SSIBD	Shuttle System Interface Block Diagram
	Solid-Solution Cermet	SSID	Shuttle Stowage Installation Drawing
	Stennis Space Center	SSIP	Shuttle Student Involvement Project
	Subsystem Computer		Systems Software Interface Processing
	Subsystem Sequence Controller	SSIS	Space Station Information System
SSCA	Surface Sampler Control Assembly	SSITP	Shuttle System Integrated Test Plan
SSCC	Support Services Control Center	SSL	System Software Loader
	Space Station Control Center		
SSCE	Solid Surface Combustion Experiment		
SSCHS	Space Shuttle Cargo Handling System		

SSM	Sample Support Module Spacecraft Systems Monitor Subsystem Manager Support System Module Systems Support Module	SSPRO	Space Shuttle Program Resident Office
SSMB	Space Shuttle Maintenance Baseline	SSPS	Space Shuttle Program Schedule
SSME	Space Shuttle Main Engine	SSPTF	Santa Susana Propulsion Test Facility (see SSFL)
SSMEC	Space Shuttle Main Engine Controller	SSR	Shop Support Request Staff Support Room Station Set Requirement System Requirements Review
SSMECA	Space Shuttle Main Engine Controller Assembly SSME Controller Assembly	SSRD	Station Set Requirements Documents
SSO	Safety Signification Operation Source Selection Official Space Shuttle Orbiter Subsystem Operation (in Spacelab) Support System for OEX	SSRMS	Space Station Remote Manipulator System
SSOP	Space Systems Operating Procedure(s)	SSRN	System Software Reference Number
SSP	Small Sortie Payload Space Shuttle Program Standard Switch Panel	SSRR	Station Set Requirements Review
SSPC	Spacelab Stored Program Command	SSS	Sound Suppression System Space Shuttle System Stage Separation Subsystem Station Set Specification Subsystem Segment
SSPD	Shuttle System Payload Data Shuttle System Payload Definition (Study) Shuttle System Payload Description	SSSS	Space Shuttle System Specification
SSPDA	Space Shuttle Payload Data Activity	SST	Single System Trainer Spacecraft Systems Test Structural Static Test Subsystem Terminal on Spacelab
SSPDB	Subsystem Power Distribution Box	SSTC	Space Shuttle Test Conductor
SSPDS	Space Shuttle Payload Data Study	SSTF	Space Station Training Facility
SSPF	Space Station Processing Facility	SSTG	Space Shuttle Task Group
SSPGSE	Space Shuttle Program Ground Support Equipment	SSTO	Single Stage to Orbit
SSPM	Space Shuttle Program Manager	SSU	Space Station Utilization Office
SSPO	Space Shuttle Program Office	SSUS	Spinning Solid Upper Stage
SSPP	System Safety Program Plan	SSUS-A	SSUS for Atlas-Centaur Class Spacecraft
SSPPSG	Space Shuttle Payload Planning Steering Group	SSUS-D	SSUS for Delta Class Spacecraft
		SSUSP	Spinning Solid Upper Stage Project
		SSV	Space Shuttle Vehicle

ST	Self Test Sequential Timer Simplification Task Space Telescope Spacelab Technology Special Tooling Star Tracker Starter Static Structural	STBY	Standby
ST-ECF	Space Telescope European Coordinat- ing Facility	STC	Satellite Test Center Spacecraft Test Conductor Standard Test Configuration Systems Test Complex
STA	Shuttle Training Aircraft Static Test Article Station Structural Test Article	STCP	Short-Term Cost Plan
STAB	Stabilize, Stabilizer	STD	Shuttle Test Director Standard
STAC	Shuttle Task Activation Contractor	STDCE	Surface Tension Driven Convection Experiment
STADAC	Station Data Acquisition and Control	STDCF	Space Telescope Data Capture Facility
STADAN	Satellite Tracking and Data Acquisition Network Space Tracking and Data Acquisition Network	STDL	Standard Distribution List (letter denoting which list follows)
STADN	Space Tracking and Acquisition Network	STDN	Space Tracking and Data Network Spaceflight Tracking and Data Network
STADU	System Termination and Display Unit	STDY	Steady
STAG	Shuttle Turnaround Analysis Group	STE	Special Test Equipment System Test Engineer
STAR	Scientific and Technical Report Shuttle Turnaround Analysis Report	STEP	Space Technology Experiments Platform
STARR	Schedule, Technical, and Resources Report	STEX	Sensor Technology Experiment
STAS	Space Transportation Architecture Studies	STF	Spin Test Facility (see DSTF) Structural Fatigue Test
STAT	Statistics Status	STG	Stage
STBD	Starboard	STICS	Suprathermal Ion Composition Spectrometer
STBE	Space Transportation Booster Engine	STIL	Software Test and Integration Laboratory
		STIRD	SAIL Test Implementation Require- ments Document
		STL	Space Technology Laboratories
		STLOS	Star Line of Sight
		STM	Signal Termination Module Static Test Model Support Test Manager
		STME	Space Transportation Main Engine
		STN	Software Trouble Note

STO	Solar Terrestrial Observatory Stow	SUBJ	Subject
STOCC	Space Telescope Operations Control Center	SUM	Summary
STORE	Shuttle Test of Relativity Experiments	SUMC	Space Ultrareliable Modular Computer
STP	Self-Test Program Shuttle Technology Panel Space Technology Payload Space Test Program Subsystem Test Plan	SUMM	Summary
STP-1	Space Test Payload-1	SUMS	Shuttle Upper-Atmosphere Mass Spectrometer
STPH	Static Phase Error	SUP	Supply Support
STR	Structure System Test Review	SUPCRIT	Supercritical
STRB	Strobe	SUPPR	Suppression
STRCH	Stretch	SUPSALV	Supervisor of Salvage (U.S. Navy)
STRFLD	Star Field	SUPT	Support
STRG	Steering String	SUPV	Supervisor
STRL	Structural	SURE	Shuttle Users Review and Evaluation Space Ultraviolet Radiation Environ- ment
STRUC	Structure	SURF	Space Ultravacuum Research Facility Surface
STRUCT	Structure	SURS	Standard Umbilical Retraction System
STS	Shuttle Test Station Space Transportation System Structural Transition Section	SUSIM	Solar Ultraviolet Spectral Irradiance Monitor
STSci	Space Telescope Science Institute	SUTAGS	Shuttle Uplink Text and Graphics Scanner
STSG	Shuttle Test Group	SV	Safety Valve Solenoid Valve Shuttle Vehicle Space Vehicle Stator Vector
STSOPO	Shuttle Transportation Systems Operations Program Office (JSC)	SVA&C	Shuttle Vehicle Assembly and Checkout
STSR	System Test Summary Report	SVAB	Shuttle Vehicle Assembly Building
STT	Spacelab Transfer Tunnel	SVAC	Shuttle Vehicle Assembly and Checkout (Facility)
STU	Shuttle Test Unit Special Test Unit Star Tracker Unit	SVAFB	South Vandenberg Air Force Base
STV	Space Transfer Vehicle	SVB	Shuttle Vehicle Booster Space Vehicle Booster
SU	Support Unit	SVC	Supervisor Call
SUB	Substitute		

SVDS	Space Vehicle Dynamic Simulator	SYNC	Synchronize
SVM	Sensor Verification Mechanism	SYNCOM	Hughes Spin Stabilized Spacecraft
SVO	Space Vehicle Operations (KSC Dir.)		Synchronous Communication Satellite
SVRR	Software Verification Readiness Review		(Hughes)
SVS	Space Vision System Suit Ventilation System	SYS	System
SW	Sea Water Short Wave Software (SFTWE preferred) Solar Wing Status Word Switcher (Switch)	SYSTRAN	Systems Analysis Translator
SW/PM	System Management/Performance Monitor		
SWA	Support Work Authorization		
SWAA	Spacelab Window Adapter Assembly		
SWAD	Subdivision of Work Authorization Document		
SWAT	Stress Wave Analysis Technique		
SWG	Software Working Group		
SWICS	Solar-Wind Ion-Composition Spectrometer		
SWOB	Salaries, Wages, Overhead, and Benefits		
SWP	Safe Working Pressure		
SWR	Standing Wave Ratio		
SWS	Switch Scan		
SWT	Supersonic Wind Tunnel Sextant		
SXT	Sextant		
SY	Shoulder Yaw System		
SYM	Symbol		
SYMM	Symmetrical		
SYN	Synchronous Synthetic		

T

T	Talk/Monitor	T/O	Timeline
	Temperature		Transformer Load
	Test	T/R	Takeover
	Thermostabilized		Tape Recorder
	Throttle Command		Technical Report
	Time (liftoff)		Transformer Rectifier
	Top		Transportation Request
	Total Temperature		Transmit/Receive
	Transformation (Matrix), Transpose (Matrix Superscript)		Transmitter/Receiver
	Temperature Rate		Transportation Request
T&C	Telemetry and Command	T/T	Turnaround Requirements
T&CD	Timing and Countdown		Terminal Timing
T&CP	Test and Checkout Procedure		Timing/Telemetry
T&D	Transportation and Docking	T/TCA	Thrust/Translation Control Assembly
T&E	Test and Evaluation	T/V	Thermal Vacuum
T&M	Time and Materials	T/W	Thrust Weight
T&O	Test and Operations		Thrust-to-Weight
T+	Time Postintegration	TA	Task Analysis
T-	Time Prior to Launch		Test Article
T-0	Time Zero		Time Actual
T-O	Takeoff		Travel Authorization
T.B.	Toggle Buffer		Trunnion Angle
T.P.	Transition Period	TAA	Technical Assistance Agreement
T/A	Turnaround		Temporary Access Authorization
T/C	Telecommunications	TAC	Kennedy Space Center Landing Site, Florida (STDN Site)
	Temperature Compensating		Tactical Air Command
	Termination Check		Total Average Cost
	Thrust Chamber	TAC/RA	TACAN Radar Altimeter
T/CAP	Thermal Capacitor	TACAN	Tactical Air Command and Navigation System
T/D	Time Delay		Tactical Air Navigation
	Touchdown	TACH	Tachometer
T/E	Transporter/Erector	TACO	Test and Checkout Operations
T/L	Talk and Listen	TAD	Temperature and Dewpoint
		TAEM	Terminal Area Energy Management
		TAG	Technical Air-to-Ground

TAGS	Text and Graphics System	TBC	Terminal Buffer Controller
TAIR	Test Assembly Inspection Record	TBD	To Be Defined
TAL	Transatlantic Abort Landing		To Be Determined
	Transoceanic Abort Landing		To Be Developed
TALAR	Tactical Approach and Landing Radar	TBE	To Be Evaluated
TAM	Thermal Analytical Model	TBF	Test de Bon Fonctionnement (Spacelab)
TAN	Tananarive, Madagascar (STDN Site)		
TAO	Trans-Atlantic Abort	TBI	Through-Bulkhead Initiator
TAP	Technical Achievement Plan	TBN	To Be Negotiated
	Telemetry Acceptance Pattern	TBP	To Be Provided
	Test Administration Plan	TBS	Task Breakdown Structure
	Total Air Pressure		To Be Specified
TAPS	Two-Axis Pointing System		To Be Superseded
TAR	Technical Analysis Request		To Be Supplied
	Test Action Requirement	TC	Telecommunications
	Test Agency Report		Temperature Compensating
TARC	Through Axis Rotational Control		Test Conductor (Contractor)
TAS	Telemetry Antenna Subsystem		Test Conductor (Controller)
	Test Article Specification		Thermal Control
	Tether Applications in Space		Thermocouple
	True Airspeed		Thiokol Corporation
TASPR	Technical and Schedule Performance Report		Thrust Chamber
TAT	Technical Acceptance Team		Time to Circular
	Total Air Temperature		Traceability Code
	Turnaround Time	TCA	Tracking Camera
TATI	Total Air Temperature Indicator		Thrust Chamber Assembly
TAU	Thousand Astronomical Units		Time to Closest Approach
TB	Talk Back		Translation Controller Assembly
	Terminal Base	TCAB	Temperature of Cabin
	Terminal Board	TCC	Test Control Center
	Time Base		Thermal Control Coating
	Time Duration of Burn		Thiokol Chemical Corporation
	Toggle Buffer	TCD	Test Completion Date
TBA	To Be Added		Test Control Document
	To Be Assigned	TCE	Thermal Canister Experiment
	To Be Announced	TCF	Tank Checkout Facility

TCG	Test Control Group Time Code Generator		Touch Down
TCI	Technical Critical Item	TD&SA	Telephone, Data, and Special Audio
TCID	Test Configuration Identifier Document	TDD	Task Description Document
TCMD	Transportation Control and Movement Document	TDK	Two-Dimensional Kinetics
TCN	Test Change Notice Transportation Control Number	TDM	Technology Demonstration Mission Time-Division Multiplexing (Multiplexer)
TCO	Taken Care of Test and Checkout	TDP	Temperature and Dewpoint Tracking Data Processor
TCOP	Test Checkout Plan(s)	TDR	Technical Design Review Technical Documentation Report Test Discrepancy Report
TCP	Task Control Packet Test Checkout Procedure Test Control Package Thrust Chamber Pressure	TDRR	Test Data Recording and Retrieval
TCR	Test Compare Results Test Conductor Test Constraints Review Thermal Concept Review	TDRS	Telemetry Downlist Receiving Site Tracking and Data Relay Satellite
TCRSD	Test and Checkout Requirements Spec. Documentation	TDRSS	Tracking and Data Relay Satellite System
TCS	Technical Change Summary Technical Concurrence Sheets Test Control Supervisor Test Control System Thermal Control System (Subsystem)	TDS	Technology Demonstration Satellite Test Data System
TCSE	Thermal Control Surfaces Experiment	TDU	Time Display Unit
TCSSS	Thermal Control Subsystem Segment	TDV	Test Data Van
TCTI	Time Compliance Technical Instruction	TDY	Temporary Duty
TCTO	Time Compliance Technical Order	TE	Test Equipment Time Earliest/Expected Timing Electronics Trailing Edge
TCU	Tape Control Unit	TEA	Technical Exchange Agreement Transversely Excited Atmospheric (laser)
TCV	Temperature Control Voltage Thrust Chamber Valve	TEC	Test Equipment Center Thermal Electric Coolers
TD	Technical Directive Terminal Distributor Test Director (NASA) Time Delay	TECH	Technical Technician
		TED	Trailing Edge Down
		TELCOM	Telecommunications
		TELESAT	TELESAT (Canadian Payload, Communication Satellite)

TEMP	Temperature Terminate Test and Evaluation Master Plan Thermal Energy Management Process	TGO	Time to Go
TEMS	Transport Environment Monitoring System	TGOWG	Teleoperator Ground Operations Working Group
TEOS	Tetraethyl Orthosilicate	TGS	Rate Gyro Assembly Telemetry Ground Station Telemetry Ground System Triglycine Sulfate
TEP	Technical Evaluation Panel Test Evaluation Plan	TGSE	Telemetry Ground Support Equipment
TER	Test Equipment Readiness Time Estimating Relationship	TGSS	Thermal Gradient Sensor System
TERL	Test Engineer Readiness List Test Equipment Readiness List	TGT	Target
TERM	Terminate	TH	Theodolite
TESH	Technical Shop	THC	Translation Hand Controller
TET	Test Evaluation Team	THDS	Time Homogeneous Data Set
TF	Test Facility Test Fixture	THEO	Theoretical
TFC	Time From Cutoff	THERM	Thermal
TFCS	Triplex Flight Control System (Subsystem)	THOLD	Threshold
TFDE	Tank Fluid Dynamics Experiments	THOUS	Thousand
TFE	Tetrafluorethylene Time From Event	THP	Thrust Horsepower
TFF	Time to Free Fall	THS	Hughes Satellite
TFI	Time From Ignition	THROT	Throttle
TFL	Telemetry Format Load Time From Launch	TI	Information Systems (KSC Directorate) Information Systems (TS) Technical Integration Thermal Phase Initiator Training Integrator (Integration)
TFOV	Total Field of View	TIC	Technical Information Center Total Item Change
TFR	Trouble and Failure Report	TICM	Test Interface and Control Module
TFS	Telemetry Format Selection	TIDE	Thermal Ion Dynamics Experiment
TFU	Test Facility Utilization	TIFS	Total In-Flight Simulator
TG	Ground Systems (KSC Directorate) Ground Systems, TS	TIG	Time of Ignition Tungsten Inert Gas
TGA	Thermal Gravimetric Analysis Trace Gas Analyzer	TII	Tooling Inspection Instrumentation
TGH	Tile Gap Heating Effects Experiment	TIM	Technical Interchange Meeting Time Interval Monitor

TIP	Thrust Inlet Pressure Time Interval Processor	TMG	Thermal Meteoroid Garment
TIROS	Topographical Infrared Operations Satellite	TMI	Technical Management Items
TIS	Test Interface Subsystem	TML	Total Mass Loss
TISRS	Tether Initiated Space Recovery System	TMM	Thermal Math Model
TISP	Teacher in Space Project	TMO	Test Manufacturing Order Tool Manufacturing Order
TK	Tank	TMP	Terminal Panel Time Mangement Processor
TKSC	Tsukuba Space Center	TMPRY	Temporary
TL	Traceability Lot Thrust Level Time Latest Transient Load	TMPV	Torquemotor Pilot Valve
TLC	Telecommand	TMR	Timer
TLCE	Transmission Line Conditioning Equipment	TMU	Temperature Measurement Unit
TLD	Thermoluminescent Dosimeter	TMV	Thermal Margin Verification
TLM	Telemetry	TN	Technical Note
TLS	Time Line Sheet Top Left Side	TNL	Tunnel
TLSA	Torso Limb Suit Assembly	TNT	Trinitrotoluene
TLSCP	Telescope	TO	Operations Management (KSC Directorate) Operations Management (TS) Takeoff Task Order Technical Order
TLV	Threshold Limit Value Transporter—Loader Vehicle	TOC	Test Operations Center Test Operations Change Total Organic Carbon
TM	Member Traceability Table Maintenance Technical Management Telemetry Time Management Traffic Model	TOF	Test Operations Facility
TMA	Technology Mirror Assembly	TOG	Toggle
TMB	Transportation Management Bulletin	TOGA	Tropical Ocean Global Atmosphere
TMBU	Table Maintenance Block Update	TOI	Transfer Orbit Insertion
TMC	Test Monitoring Console	TOL	Tolerance
TMF	Transporter Maintenance Facility	TOO	Test Operations Order Threshold of Odor
TMECO	Time of Main Engine Cutoff	TOP	Technical Operating Procedure Tether Optical Phenomena
		TOPEX	Topographical Explorer
		TOPS	Transistorized Operational Phone System

TOS	Test Operating System Transfer Orbit Stage	TPR	Teleprinter Test Problem Report
TOT	Total	TPS	Test Preparation Sheet Thermal Protection Subsystem Thermal Protection System (SRB, ET, or Orbiter) Twisted Pair Shielded
TOW	Tank and Orbiter Weight	TPSE	Thermal Protection Subsystem Experiments
TP	Test Point Test Port Test Procedure Time to Perigee Training Plan Transition Period (T.P. preferred) True Position Turbopump Type	TPTA	Transient Pressure Test Article
TP&C	Thermal Protection and Control	TPUN	Test Procedure Update Notice
TPA	Test Preparation Area	TQM	Total Quality Management
TPAD	Trunnion Pin Attachment Device Trunnion Pin Acquisition Device	TR	Technical Report Technical Review Test Request Thrust Reverser Time to Retrofire Transportation Request
TPC	Telemetry Preprocessor Computer	TR/SBS	Teleoperator Retrieval/Skylab Boost System
TPDM	Three-Point Docking Mechanism	TR1	Payload Furnished Mars Tape Recorder (1 of 2)
TPDS	Test Procedures Development System	TR2	Payload Furnished Mars Tape Recorder (2 of 2)
TPE	Test Project Engineer	TRA	Training Requirements Analysis Turnaround Requirements Analysis
TPF	Terminal Phase Finalization (Braking) Terminal Phase Finish Transfer Phase Final Tug Processing Facility	TRACS	Tool-Record Accountability System
TPI	Terminal Phase Initiation Maneuver	TRAJ	Trajectory
TPITS	Two-Phased Integrated Thermal System	TRANS	Transition Translation
TPM	Technical Performance Measurement (System) Terminal Phase Maneuver Terminal Phase Midcourse Transfer Phase Midcourse	TRANSL	Translation
TPM1	Terminal Phase Midcourse #1	TRB	Technical Review Board Test Review Board
TPM2	Terminal Phase Midcourse #2	TRBL	Troubleshooting
TPO	Test Program Outline	TRCP	Tape Recorder Control Panel (L10)
		TRD	Test Requirements Document
		TREM	Tropical Rainfall Explorer Mission

TRF	Tuned Radio Frequency	TSCO	Test Support Coordination Office
TRIPS	Travel Information Processing System		Test Support Coordinator
TRIS	Trapped Ions in Space	TSCP	Training Simulator Control Panel
TRK	Track	TSD	Test Start Date
TRKR	Tracker	TSE	Transportation Support Equipment
TRL	Test Readiness List	TSGP	Test Sequence Generator Program (ESTEC)
TRN	Trunnion	TSLD	Troubleshooting Logic Diagram
TRNG	Training	TSM	Tail Service Mast
TRQ	Torque		Trade Study Management
TRR	Test Readiness Review	TSO	Time Sharing Option
TRRB	Test Readiness Review Board		Time Since Overhaul
TRS	Teleoperator Retrieval System	TSP	Test Software Program
	Time Reference System		Twisted Shielded Pairs (Cables)
	Top Right Side	TSR	Technical Status Review
	Troubleshooting Record Sheet		Test Status Report
	Tug Rotational System		Tumbling Satellite Recovery
TRSD	Test Requirements Specification Document	TSRA	Total System Requirements Analysis
TRUN ANG	Trunnion Angle	TSS	TAPS Support System
TS	Traceability Serial		Time Sharing System
	Technical Support (KSC Directorate)		TPS Summary Sheet Control
	Telescope Scientist		Tug Structural Support
	Tensile Strength	TSSU	Test Signal Switching Unit
	Test Site	TST	Technical Support Team
	Test Stand		Test
	Test Station	TSU	Thermal Structural Unit
	Time Scheduled		Time Standard Unit
	Timing System	TSW	Test Software
TSA	Test Start Approval		Test Switch
TSAC	Tracking System Analytical Calibration	TT	Terminal Timing
TSB	Temporary Stowage Bag		Thrust Termination
	Twin Sideband		Total Temperature
TSC	Test Setup Complete		Total Time
	Test Support Coordinator	TT&C	Tracking Telemetry and Control
	Two-Stage Command	TTA	Thermomechanical Test Area
TSCION	TSC I/O Number		Time to Apogee
		TTB	Technology Test Bed

TTC	Telemetry, Tracking, and Command Time to Circularize (Orbit) Tunnel Thermal Control	TVSA	Thrust Vector Control Servoamplifier
TTCA	Thrust Translation Controller Assembly	TVSSIS	TV Subsystem Interconnecting Station
TTCV	Tracking Telemetry, Command, and Voice	TVT	Thermal Vacuum Test
TTE	Time to Event	TVTA	Thermal Vacuum Test Article
TTEL	Tool and Test Equipment List	TW	Tailwind Thumbwheel Time Words Traveling Wave
TTG	Time to Go	TWD	Twisted Double Shielded
TTL	Transistor-Transistor Logic	TWG	Test Working Group
TTLM	Through-the-Lens Light Metering	TWL	Total Weight Loss
TTP	Time to Perigee	TWR	Tower
TTU	Timing Terminal Unit	TWT	Traveling Wave Tube Trisonic Wind Tunnel (Rockwell)
TTV	Termination, Test, and Verification	TWTA	Traveling Wave Tube Amplifier
TTY	Teletype	TWX	Teletype Wire Transmission
TU	Technical Utilization Technology Utilization Transport Unit	TX	Translation Hand Controller X-Axis Direction Transmit Channel
TUL	Tula Peak, NM (STDN site)	TX/RX	Transmitter/Receiver
TURB	Turbine	TY	Translation Hand Controller Y-Axis Direction
TV	Television Thermal Vacuum Thrust Vector Transport Vehicle	TYP	Typical
TVA	Thrust Vector Alignment	TZ	Translation Hand Controller Z-Axis Direction
TVAR	Test Variance		
TVC	Thermal Vacuum Chamber Thrust Vector Control		
TVCA	Thrust Vector Control Actuator		
TVCD	Thrust Vector Control Driver		
TVCS	Thrust Vector Control System		
TVEXPIS	TV Experiment Interconnecting Station		
TVN	Test Verification Network		
TVOPS	Television Operations Controller		
TVP	Test Verification Program		
TVS	Toxic Vapor Suit		

U

U	Underfloor Uranium
U-SB	Unified S-Band
U/C	Under Current
U/D	Update
U/L	Unlink (UPLK preferred)
U/M	Unit of Measure Unmanned Unscheduled Maintenance
U/O	Used on
U/S	Upper Stage Upstream
U/V	Under Voltage
U/W	Used With
UA	Microampere
UAB	University of Alabama in Birmingham
UARS	Upper Atmosphere Research Satellite
UB	Upper Brace Utility Bridge
UBE	Universal Bus Exercisor
UBIC	Universal Bus Interface Controller
UC	Unsatisfactory Condition
UCC	Universal Checkout Console
UCD	Urine Collection Device
UCN	Uniform Control Number
UCPU	Urine Collection and Pretreatment Unit
UCR	Unsatisfactory Condition Report
UCS	Uniform Coding System Universal Control System Utilities Control System
UCTA	Urine Collection Transfer Assembly
UD	Update
UDB	Update Buffer
UDF	Utility and Data Flow

UDL	Udata Link Update Link
UDMH	Unsymmetrical Dimethylhydrazine
UDMH/H	Unsymmetrical Dimethylhydrazine Hydrazine Blend
UDOP	Ultrahigh Doppler
UDS	Universal Documentation System
UER	Unique Equipment Register
UF	Microfarad
UFD	User File Directory
UG	Microgram
UHB	User Home Base
UHF	Ultrahigh Frequency
UHV	Ultrahigh Vacuum
UI	Unit of Issue User Interface
UIC	User Identification Code
UIO	User Integration Office
UIT	Ultraviolet Imaging Telescope
UKIRT	United Kingdom Infrared Telescope
UL	Underload Uplink Upper Left (S-Band Antenna) Upper Limit
ULA	Fairbanks, Alaska (STDN Site)
ULC	Unpressurized Logistics Center
ULE	Ultralow Expansion
ULEP	Useful Life Extension Program
ULL	Ullage
ULO	Unmanned Launch Operation
ULT	Ultimate Ultimate Load Test
ULVIM	Ultraviolet Limb Imaging
UMB	Umbilical
UMBC	Umbilical Cord Cable
UMI	Urine Monitoring Investigation
UMO	Unmanned Orbital

UMS	Urine Monitoring System	USBS	Unified S-Band System (Subsystem)
UMVF	Unmanned Vertical Flight	USC	United States Code
UNBAL	Unbalance	USDA	United States Department of Agriculture
UNDK	Undock	USE	User Support Equipment
UNDV	Undervoltage	USEC	Microsecond
UNISAT	United Satellite LTD	USGS	United States Geological Survey
UNIV	Universal	USI	Update Software Identity
UNLCH	Unlatch	USMC	United States Marine Corps
UNLK	Unlock	USML	United States Microgravity Laboratory
UOF	User Operations Facility	USMP	United States Microgravity Payload
UP	Upper	USN	United States Navy
UPN	Unique Project Number	USNS	United States Navy Ship
UPP	User Parameter Processing	USOC	User Support and Operations Center
UPLK	Uplink	USR	User Support Room
UPS	Uninterruptible Power Supply Uninterruptible Power System Upright Perigee Stage	USRA	Universities Space Research Association
UPTLM	Uplink Telemetry	USS	United States Ship United States Standard Utility Support Structure
UR	Unsatisfactory Report Upper Right User Room	UST	United States Testing (Company) Universal Servicing Tool Universal Standard Time
URA	Uniformly Redundant Array Urine Receptacle Assembly	USV	Upper Stage Vehicle
URD	User Requirements Document	UT	Umbilical Tower Unit Tester Universal Time
URN	Urine	UT&GS	Uplink Text and Graphics System
URT	Upright	UTC	Universal Time Coordinated United Technology Center Unit Test Cases United Technologies Corporation Universal Test Console
US	United States Upper Stage	UTE	Universal Test Equipment
USA	United States of America Upper Stage Adapter	UTIL	Utility
USAF	United States Air Force	UTLM	Up Telemetry
USAFA	United States Air Force Academy		
USB	Unified S-Band Upper Side Band		
USBE	United S-Band Equipment		
USBI	United Space Boosters, Inc.		

UTRC	United Technology Research Center
UTS	Ultimate Tensile Strength Urine Transfer System
UU	Micromicron (name micron obsolete); use μm (micrometer)
UUT	Unit Under Test
UV	Microvolt (mV) Ultraviolet Under Voltage (U/V preferred)
UVD	Under Voltage Device
UVF	Unmanned Vertical Flight
UVS	Unmanned Vehicle System
UVSP	Ultraviolet Spectrometer and Polarimeter
UVX	Ultraviolet Cosmic Background Experiment Ultraviolet Experiment
UW	Microwatt
UWS	User Work Station

V

V	Valve	VAB	Vehicle Assembly Building
	Velocity	VAC	Vacuum
	Verb		Vehicle Assembly and Checkout
	Voice		Volts, ac
	Volt	VAD	Vandenberg Addendum Document
	Voltage	VAFB	Vandenberg Air Force Base
V P-P	Voltage Peak-to-Peak	VAK	Vertical Access Kit
V&DA	Video and Data Acquisition		Vertical Assembly Kit
	Video and Data (Processing)	VAL	Valid
	Assembly	VALID	Validation
V&V	Validation and Verification	VAN	USNS Vanguard (STDN)
V-A	Vibro-Acoustic	VAP	Vapor
	Volt-Ampere	VAR	Variable, Variance, Variation
V-BAND	46,000 to 56,000 MCS		Verification Analysis Report
V-BAR	Velocity Vectory Axis		Volt Ampere Reactive
V-CITE	Vertical-Cargo Integration Test	VASI	Visual Approach Slope Indicator
	Equipment	VAST	Versatile Avionics System Tester
V-RTIF	Vandenberg Real Time Interface	VAT	Vehicle Acceptance Test
V/A	Video/Analog		Vibroacoustic Test
V/C	Vector Control	VATA	Vibroacoustic Test Article
	Velocity Counter	VATF	Vibration and Acoustic Test Facility
V/H	Velocity-to-Height	VC	Vector Character
V/M	Velocity Meter		Velocity Counter
V/V	Validation and Verification (also	VCAP	Vehicle Charging and Potential
	V & V)		Experiment
	Vent Valve	VCB	Vertical Location of the Center of
VA	Vehicle Accommodations		Buoyancy
	Velocity at Apogee	VCC	Verification Code Counter
	Vibroacoustic Test	VCD	Verification Control Document
	Volt Ampere	VCD(S)	Vapor Compression Distillation
VAI/VTa	Vibroacoustic/Thermal/Vacuum Test		(Subsystem)
	Article	VCE	Vehicle Cycle Engine
VAA	Vehicle Assembly Area		Voice
	Viewpoint Adapter Assembly	VCG	Vapor Crystal Growth
			Vector Cardiogram
			Vertical Location of the Center of
			Gravity

VCGS	Vapor Crystal Growth System	VEEGA	Venus-Earth-Earth Gravity Assist (Trajectory Used for Galileo to Jupiter)
VCI	Velocity Change Indicator	VEEI	Vehicle Electrical Engine Interface
VCM	Volatile Condensable Material	VEFCO	Vertical Functional Checkout
VCN	Verification Completion Notice	VEH	Vehicle
VCO	Voltage Controlled Oscillator (Oscillation)	VEH ID	Vehicle Identification
VCP	Vandenberg Contract Report	VEI	Vehicle End Item
VCR	Verification Complete Reports Video Cassette Recorder	VEL	Velocity
VCRS	Video Compression and Reconstruc- tion System	VER	Verify, Verification
VCS	Verification Control Sheet Voice Command System	VERIF	Verification
VCT	Voltage Control Transfer	VERLORT	Very Long Range Tracking Radar
VCTR	Vector	VERN	Vernier
VCU	Video Control Unit	VERT	Vertical
VDA	Valve Driver Assembly Vapor Diffusion Apparatus Variable Data Area	VF	Vertical Flight Video Frequency
VDB	Verification Data Base	VFE	Vendor Furnished Equipment
Vdc	Volts, dc	VFI	Verification Flight Instrumentation
VDD	Verification Description Document Version Description Document	VFO	Variable Frequency Oscillator
VDI	Vendor Documentation Inventory Vertical Display Indicator	VFR	Visual Flight Rules
VDS	Vehicle Dynamics Simulator	VFT	Verification Flight Test
VDT	Vehicle Data Table	VGIMU	Velocity To Be Gained as Related to IMU Orientation
VDU	Visual Display Unit	VGOR	Vandenberg Ground Operations Requirement Vehicle Ground Operation Requirements
VE	Equivalent Velocity Shuttle Engineering (KSC VBO Directorate)	VGP	Vehicle Ground Point
VECIB	Vehicle Engineering Change Imple- mentation Board	VGT	Vehicle Ground Test
VECO	Vernier Engine Cutoff	VGVT	Vertical Ground Vibration Test
VECP	Value Engineering Change Proposal	VGX	Velocity To Be Gained (Body X-Axis)
VEDS	Vehicle Emergency Detection System	VGY	Velocity To Be Gained (Body Y-Axis)
		VGZ	Velocity To Be Gained (Body Z-Axis)
		VHAA	Very High Altitude Abort
		VHF	Very High Frequency
		VHF/AM	Very High Frequency Amplitude Modulator

VHF/DF	Vehicle High Frequency Direction Finder	VLV	Value Valve
VHSIC	Very High Speed Integrated Circuit	VM	Virtual Memory Voltmeter
VI	Internal Velocity	VMF	Vertical Maintenance Facility
VIA	By Means of (By Way of)	VMRR	Vendor Material Review Report
VIB	Vertical Integration Building Vibrate, Vibration	VMS	Velocity Measuring System
VIC	Visitors Information Center	VO	Shuttle Operations (KSC Directorate) Space Vehicle Operations (KSC Dir.) Vehicle Operations Velocity Initial Voice
VID	Video	VOIR	Venus Orbiter Imaging Radar
VIDD	Vertical Interval Data Detector	VOL	Volume
VIL	Verified Item List	VOLT-A	Voltage Operating Limit Tests-A
VIP	Verification Integration Plan	VOM	Volt-ohm-meter
VIR	Visible Infrared Radar	VOMD	VAFB Operations and Maintenance Documentation
VIRD	Verification Implementation Requirements Document	VOR	VHF Omnidirectional Radio Range
VIS	Verification Information System Visibility Visual	VOR-DME	VHF Omni Range-UHF Distance Measuring Equipment
VIS/UV	Visual/Ultraviolet	VORTAC	VHF Omni Range Tactical Air Navigation Variable Omni Range Tactical (VOR and TACAN)
VISC	Viscosity	VOT	VHF Omni Test
VITS	Video Teleconferencing System	VOX	Voice Operated Transmitter (Transmission)
VITT	Vehicle Integration Test Team	VP	Shuttle Payloads (KSC VO Dir., see CO, CS, CV) Vacuum Pump Verification Polarization Vertical Polarization Viewpoint
VIU	Video Interface Unit	VPC	Vapor Phase Compression
VJ	Vacuum Jacketed	VPF	Vertical Processing Facility
VL	Expendable Vehicles (KSC VO Dir.)	VPHD	Vertical Payload Handling Device
VLA	Very Large Array		
VLBA	Very Long Base Antenna Very Long Base Array		
VLBI	Very Long Baseline Interferometer		
VLF	Very Low Frequency		
VLPS	Vandenberg Launch Processing System		
VLR	Very Low Range		
VLS	Vandenberg Launch and Landing Site		
VLSIC	Very Large Scale Integrated Circuit		
VLSID	Very Large Scale Integrated Device		

VPI	Valve Position Indicator	VT	STS Processing (KSC VO Dir.)
VPK	Volts Peak		Vent
VPM	Vehicle Project Manager		Verification Test
VPPA	Variable Polarity Plasma Arc	VT/FT	Verification Test/Flight Test
VR	Variable Reluctance	VTa	Vehicle Test Area
	Velocity, Relative		Vertical Test Area
	Video Recorder	VTE	Variable Thrust Engine
	Voltage Regulator	VTF	Vertical Test Flight
	Voltage Relay	VTM	Vibration Test Module
VRA	Velocity Referenced Attitude	VTN	Verification Test Network
VRB	VHF Recovery Beacon	VTP	Vehicle Test Plan
VRCS	Vernier Reaction Control System		Verification Test Plan
VREL	Relative Velocity		Verification Test Program
VRF	Vertical Removal Fixture	VTR	Verification Text Reports
VRL	Vertical Recovery Line		Video Tape Recorder
	Vertical Reference Line	VTs	Vandenberg Tracking Station
VRMS	Volts Room Mean Square		Vertical Test Site
VRNR	Vernier		Vertical Test Stand
VRR	Verification Readiness Review		Vertical Test System
VRSD	Verification Requirements and Specification Document	VTVM	Vacuum Tube Voltmeter
VS	Staging Velocity	VTX	Vertex
	Vestibular Sled (Spacelab D-1 Exp.)	VU	Vehicle Unit
vs	Versus		Vehicle Utility
VSA	Variable Stability Aircraft		Volume Unit
	Verification Site Approval	VUV	Vacuum Ultraviolet
VSb	Vestigial Side Band	VV	Velocity Vector
VSD	Vertical Situation Display		Vent Valve
VSN	Video Switching Network		Vertical Velocity
VSI	Vertical Speed Indicator	VVI	Vertical Velocity Indicator
	Video Simulation Interface	VWFC	Very Wide Field Camera
VSO	Very Stable Oscillator	VWG	Verification Working Group
VSTAG	Vandenberg Shuttle Turnaround Analysis Group	VX	Velocity Along the X-Axis
VSWR	Visual Standing Wave Ratio	VY	Velocity Along the Y-Axis
	Voltage Standing Wave Ratio	VZ	Velocity Along the Z-Axis

W

W	Watt	WBC	White Blood Cells
	West	WBDI	Wideband Data Interleaver
	Wide	WBDS	Wide Band Data Separator
	Window	WBR	Work Bench Rack
W&B	Weight and Balance	WBS	Work Breakdown Structure
W&C	Wire and Cable	WBSC	Wide-Band Signal Conditioner
W-G	Water-Glycol	WBT	Wide-Band Terminal
W/	With	WBTS	Wide-Band Transmission System
W/B	Wideband	WCCS	Window Contamination Control Number
W/E	Wing Elevon	WCCU	Wireless Communications Control Unit
W/G	Water/Glycol	WCDB	Work Control Data Base
W/h	Watt-Hour	WCDDT	Wet Countdown Demonstration Test
W/O	Without	WCL	Water Coolant Line Water Coolant Loop
W/S	Work Station	WCP	Wing Chord Plane
W/T	Wind Tunnel	WCS	Waste Collection System Work Control System Writable Control Storage
W/W	Weather Wheel Well Wrist Yaw	WD	Width Wired Discrete Word Work Days
W/WMS	Waste/Waste Mangement System (Subsystem)	WEA	Weather
WA	Wide Angle Work Authorization	WEFAX	Weather Facsimile
WAD	Work Authorization Document	WES	Water Electrolysis System
WAD/SO	Work Authorization Document/Shop Order	WETS	Weightless Environment Training System
WAMDII	Wide Angle Michelson Doppler Imaging Inferometer	WF	Wide Field
WAN	Work Authorization Number	WF/PC	Wide Field/Planetary Camera
WAR	Work Authorization Report	WFC	Wide Field Camera
WARN	Warning	WFF	Wallops Flight Facility
WAT	Web Action Time	WFPC	Wide Field Planetary Camera
WB	Waterboiler Wet Bulb Wide Band	WG	Wage Grade Wave Guide Wing
		WGS	Water Glycol Service Unit

WHL	Wheel	WPMCP	Work Package Manpower and Cost Plan
Whr	Watt-Hour	WPP	Water Pump Package
WIB	When Interrupt Block		Work Package Plan
WIF	Water Immersion Facility	WPPS	Work Package Planning Sheet
WIN	Irwin, Australia	WPS	Words Per Second
WINDS	Weather Information Network Display System	WR	Weather Radar
WIP	Work in Progress		Wrist Roll
WISP	Waves in Space Plasma	WRG	Wiring
WIX	Wait for Index	WRL	Wing Reference Line
WL	Wavelength	WRM	Water Recovery and Management
	Werkstofflabor (Spacelab D-1 Exp.)	WRO	Work Release Order
WM	Waste Mangement	WS	Water Servicer
WMC	Waste Management Compartment		Wind Shield
WMS	Waste Management System		Work Statement
WND	Wind	WSB	Water Spray Boiler
WO	Work Order	WSC	Wide-Band Signal Conditioner
WOC	Work Order Control	WSCC	Work Station Control Center
WOCE	World Ocean Circulation Experiment	WSD	Wide-Band Data
WONG	Weight on Nose Gear	WSGS	White Sands Ground Station
WORM	Write Once-Read Many Technology	WSGT	White Sands Ground Terminal
WOSE	Weather Office in Space Evaluation	WSM	Waste Storage Module
WOW	Weight on Wheels	WSMC	Western Space and Missile Center
	Worst on Worst	WSMR	White Sands Missile Range
WOWLON	Weight on Wheels Lock on	WSO	Water Servicer Operator
WP	Way Point	WSSH	White Sands Space Harbor
	Work Package	WSTF	White Sands Test Facility
	Working Pressure	WSU	Water Servicing Unit
	Wrist Pitch	WSWR	Variable Standing Wave Ratio (Rate)
WPAFB	Wright Patterson Air Force Base	WT	Watchdog Timer
WPC	Watts Per Candle		Weight
WPD	Work Package Description		Wire Ticket
WPF	Work Process Flow	WTA	Wire Traceability and Accountabiilty
WPG	Work Package Grouping	WTR	Water
WPI	Work Process Indicator		Western Test Range
	Work Progress Indicator	WTR SYS	Water System
WPM	Words Per Minute	WTSC	Wet Tantalum Slug Capacitor

WTT	Wind Tunnel Test
WUC	Work Unit Code
WUCF	Work Unit Code File
WUSCI	Western Union Space Communica- tions, Inc.
WUPPE	Wisconsin Ultraviolet Photo Polar- imeter Experiment
WVCF	Western Vehicle Checkout Facility
WW	Water Waste Wire Wrap
WWMS	Waste Water Management System
WX	Weather

X

X	Times (by, trans-)
XL	X-Axis of Spacelab
XO	X-Axis of Orbiter
XP	X-Axis of Payload
XS	X-Axis of Solid Rocket Booster
XT	X-Axis of External Tank
XCVR	Transceiver
XDA	X-Ray Detector Assembly
XDCR	Transducer
XDUCER	Transducer
XFD	Crossfeed
XFER	Transfer
XLTN	Translation
XMM	X-Ray Multimission
XMT	Transmit
XMTR	Transmitter
XNS	Xerox Network Systems
XO	Orbiter Structural Body Reference, X-Axis
XP	Payload Structural Body Reference, X-Axis
XPNDR	Transponder
XRCF	X-Ray Calibration Facility
XRD	X-Ray Diffraction
XRP	X-Ray Polychromator
XRS	X-Ray Spectrometer
XRT	X-Ray Telescope
XSST	X-Ray Spectrometer/Spectrograph Telescope
XTA	X-Ray Telescope Assembly
XTAL	Crystal
XTE	X-Ray Timing Explorer
XUV	Extreme Ultraviolet (also EUV)

Y		YVVL	Integrated Logistics Support Division (SD)
Y	Horizontal Axis-Width of Vehicle	YVVO	Operations Division
	Lateral Acceleration	YVVS	DOD Mission Support Division, JSC (SD)
	Out-of-Plane Position		
	Y-Axis		
	Y-Axis, Horizontal-Width of Vehicle/Structure		
	Yaw		
	Out-of-Plane Velocity		
	Y-Axis Rate of Change		
YL	Y-Axis of Spacelab		
YO	Y-Axis of Orbiter		
YP	Y-Axis of Payload		
YS	Y-Axis of Solid Rocket Booster		
YT	Y-Axis of External Tank		
YAR	Yarragadee (STDN Site)		
yd	Yard		
YP	Yield Pointer		
yr	Year		
YS	Yield Strength		
YSC	Yearly Spares Cost		
YST	Yearly Spares Cost		
YT	Station Identification Symbol		
YV	Deputy for Space Launch Systems		
YVC	Directorate of Configuration and Information Management		
YVCB	Configuration/Data Management Division		
YVGF	Financial Management Division (SD)		
YVGR	Requirements and Analysis Division (SD)		
YVV	Directorate of Launch Base Operations		
YVV-1	Program Safety Office (SD)		
YVVE	Engineering Division		
YVVI	Inertial Upper Stage (SD)		

Z


Z	Impedance Normal Acceleration (Load Factor) Z-Axis Direction Z-Axis Rate of Change Zone Zulu (Greenwich Mean Time—GMT)
Z_L	Z-Axis of Spacelab
Z_O	Z-Axis of Orbiter
Z_P	Z-Axis of Payload
Z_S	Z-Axis of Solid Rocket Booster
Z_T	Z-Axis of External Tank
ZBB	Zero Base Budget
ZC	Zero Calibration
ZCG	Impedance Cargiogram
ZGT	Zero Gravity Trainer
ZI	Zone of Interior (Continental USA)
ZIF	Zero Insertion Force
ZLV	Z Local Vertical (Payload Bay Toward Earth)
ZO	Station Identification Symbol, Orbiter X-Axis
ZOE	Zone of Exclusion
ZOP	Zero Operational Ajont Code
ZPN	Impedance Cardiogram Impedance Pneumogram
ZrO₂	Zirconium Oxide
ZSI	Z Solar Inertial (Payload Bay Facing Away From Sun)

APPROVAL

SPACE TRANSPORTATION SYSTEM AND ASSOCIATED PAYLOADS: GLOSSARY, ACRONYMS, AND ABBREVIATIONS

Compiled By
Management Operations Office
and Space Shuttle Projects Office

The information in this report has been reviewed for technical content. Review of any information concerning Department of Defense or nuclear energy activities or programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.



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